











CHARTER,  
SUPPLEMENTAL CHARTERS,  
BY-LAWS,  
AND  
LIST OF MEMBERS  
OF

The Institution of Civil Engineers.

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## CHARTER.



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## CHARTER

OF

## The Institution of Civil Engineers.

INCORPORATED 3 JUNE, 1828.

GEORGE THE FOURTH, by the Grace of God, of the United Kingdom of Great Britain and Ireland King, Defender of the Faith: To all to whom these Presents shall come, Greeting:

WHEREAS THOMAS TELFORD, of Abingdon Street, in our city of Westminster, Esquire, a Fellow of the Royal Societies of London and Edinburgh, and others of our loving subjects, have formed themselves into a Society for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the Great Sources of Power in Nature for the use and convenience of man, as the means of production and of traffic in states both for external and internal trade, as applied in the construction of roads, bridges, aqueducts, canals, river navigation and docks, for internal intercourse and exchange, and in the construction of ports, harbours, moles, breakwaters and lighthouses, and in the art of navigation by artificial power for the purposes of commerce, and in the construction and adaptation of machinery, and in the drainage of cities and towns: And have subscribed and collected considerable sums of money for those purposes: And We have been besought to grant to them, and to those who shall hereafter become members of the same Society, our Royal Charter of Incorporation, for the purposes aforesaid: Now KNOW YE, that We, being desirous of encouraging a design so laudable

The nature and object of the Society.

and salutary, of our especial grace, certain knowledge, and mere motion, have willed, granted, and declared: And do by these presents, for us, our heirs and successors, will, grant, and declare, that the said THOMAS TELFORD, and such others of our loving subjects as have formed themselves into, and are now members of the said Society, or who shall at any time hereafter become members thereof, according to such regulations or by-laws as shall be hereafter framed or enacted, shall, by virtue of these presents, be the members of, and form one Body Politic and Corporate, for the purposes aforesaid, by the name of "THE INSTITUTION OF CIVIL ENGINEERS;" by which name they shall have perpetual succession, and a common seal, with full power and authority to alter, vary, break, and renew the same, at their discretion: and by the same name to sue, and be sued, implead, and be impleaded, answer, and be answered unto, in every court of us, our heirs and successors; and be for ever able and capable in the law, to purchase, receive, possess, and enjoy to them and their successors, any goods and chattels whatsoever, and also be able and capable in the law (notwithstanding the statutes of mortmain) to take, purchase, possess, hold and enjoy to them and their successors, a Hall, and any messuages, lands, tenements, or hereditaments whatsoever, the yearly value of which, including the site of the said Hall, shall not exceed in the whole the sum of one thousand pounds, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof; and to act in all the concerns of the said body politic and corporate for the purposes aforesaid, as fully and effectually to all intents, effects, constructions, and purposes whatsoever, as any other of our liege subjects, or any other body politic or corporate in our United Kingdom of Great Britain and Ireland, not being under any disability, might do in their respective concerns. And We do hereby grant our especial licence and authority unto all and every person and persons, bodies politic and corporate (otherwise competent), to grant, sell, alien, and convey in mortmain, unto and to the use of the said Society, and their successors, any messuages, lands, tenements, or hereditaments, not exceeding such annual value as aforesaid,

Name of the  
Society.

And our will and pleasure is, and We further grant and declare, that there shall be a General Meeting of the members of the said body politic and corporate, to be held from time to time, as hereinafter mentioned, and that there shall always be a Council, to direct and manage the concerns of the said body politic and corporate; and that the General Meetings and the Council shall have the entire direction and management of the same, in the manner, and subject to the regulations, hereinafter mentioned. But our will and pleasure is, that at all General Meetings, and Meetings of the Council, the majority of the members present, and having a right to vote thereat respectively, shall decide upon the matters propounded at such Meetings, the person presiding therein having, in case of an equality of numbers, a second or casting vote. And We do hereby also will, grant, and declare, that the Council shall consist of a President, four Vice-Presidents, and not more than fifteen, nor less than seven other Members, to be elected out of the Members of the said body politic and corporate; and that the first Members of the Council, exclusive of the President, shall be elected within six calendar months after the date of this our Charter; and that the said THOMAS TELFORD shall be the first President of the said body politic and corporate. And We do hereby further will, grant, and declare, that it shall be lawful for the Members of the said body politic and corporate, hereby established, to hold General Meetings once in the year, or oftener, for the purposes hereinafter mentioned (viz.); That the General Meeting shall choose the President, Vice-Presidents, and other Members of the Council; that the General Meetings shall make and establish such by-laws as they shall deem to be useful and necessary for the regulation of the said body politic and corporate, for the admission of Members, for the management of the estates, goods and business of the said body politic and corporate, and for fixing and determining the manner of electing the President, Vice-Presidents, and other Members of the Council, and the period of their continuance in office; as also of electing and appointing a Treasurer, two Auditors, and two Secretaries, and such other officers, attendants, and servants, as shall be deemed necessary or useful for the said body politic and corporate; and such by-laws

A General Meeting and Council.

The Member presiding at any Meeting shall have a second or casting vote. Constitution of the Council.

General Meetings.

General Meetings to make by-laws and regulations.

Mode of electing Officers to be defined by by-laws.

By-laws may  
be altered.

No by-law to  
be repugnant to  
this Charter.

Council to have  
sole manage-  
ment of the  
funds.

Property  
vested in the  
Members.

No by-laws to  
be made con-  
trary to the  
laws of this  
Realm.

from time to time shall or may alter, vary, or revoke, and shall or may make such new and other by-laws as they shall think most useful and expedient, so that the same be not repugnant to these presents, or to the laws and statutes of this our Realm; and shall and may also enter into any resolution, and make any regulation, respecting any of the affairs and concerns of the said body politic and corporate, that shall be thought necessary and proper. And We further will, grant, and declare, that the Council shall have the sole management of the income and funds of the said body politic and corporate, and also the entire management and superintendence of all the other affairs and concerns thereof; and shall or may, but not inconsistently with, or contrary to the provisions of this our Charter, or any existing by-law, or the laws and statutes of this our Realm, do all such acts and deeds as shall appear to them necessary or essential to be done, for the purpose of carrying into effect the objects and views of the said body politic and corporate. And We further will, grant, and declare, that the whole property of the said body politic and corporate shall be vested, and We do hereby vest the same solely and absolutely in the Members thereof, and that they shall have full power and authority to sell, alienate, charge or otherwise dispose of the same, as they shall think proper; but that no sale, mortgage, incumbrance, or other disposition of any messuages, lands, tenements, or hereditaments, belonging to the said body politic and corporate, shall be made, except with the approbation and concurrence of a General Meeting. And We lastly declare it to be our Royal will and pleasure, that no resolution, or by-law, shall on any account or pretence whatsoever be made by the said body politic and corporate in opposition to the general scope, true intent, and meaning of this our Charter, or the laws or statutes of our Realm; and that if any such rule or by-law shall be made, the same shall be absolutely null and void, to all intents, effects, constructions, and purposes whatsoever. In witness whereof We have caused these our Letters to be made Patent. Witness Ourself at our Palace of Westminster, this third day of June, in the ninth year of our reign.

By Writ of Privy Seal.

SCOTT.

SUPPLEMENTAL CHARTER, 1887.





## SUPPLEMENTAL CHARTER.

3 August, 1887.

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VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith :  
To all to whom these presents shall come, Greeting :

WHEREAS the body politic and corporate of THE INSTITUTION OF CIVIL ENGINEERS was incorporated under or by virtue of a certain Charter or Letters Patent bearing date at Westminster the 3rd day of June in the ninth year of the Reign of King George the Fourth, and the said Institution is now regulated and governed by and according to the provisions of the said Charter or Letters Patent, and also by or according to certain by-laws and regulations made by the said Institution : AND WHEREAS by the said Charter or Letters Patent the said Institution has full power and authority *inter alia* to be able and capable in the law (notwithstanding the statutes of mortmain) to take, purchase, possess, hold and enjoy to them and their successors a Hall, and any messuages, lands, tenements or hereditaments whatsoever, the yearly value of which, including the site of the said Hall, shall not exceed in the whole the sum of one thousand pounds, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof : AND WHEREAS the said Institution presented their humble petition to us, alleging, *inter alia*, as follows :

“ At the time the said Charter was granted the number of members of all classes was 156, and the income for that year was £446 16s. ; the number of members of all classes on the 3rd of June, 1886, was 5,174, and the total annual receipts of the said Institution for the past year were £19,945. The premises now

occupied by the Institution are situate at No. 25 Great George Street, Westminster, and the Institution entered into possession of them at Christmas 1839. The said premises have become and are totally inadequate for the accommodation now required: It is therefore in contemplation to acquire additional property adjoining the said premises for the extension thereof. The powers of the Charter as to holding land have become exhausted, and the Institution are therefore desirous that the yearly value of the property to be held by them should be extended to the sum of £10,000 at the time of purchase."

Therefore the petitioners most humbly supplicated Us to grant Our Royal Charter, enlarging the Charter of Incorporation for the purpose of empowering the Institution to purchase and hold messuages, lands, tenements and hereditaments of a yearly value not exceeding at the time of purchase the sum of £10,000.

Now KNOW YE, that We, taking the premises into Our Royal consideration of Our especial grace, certain knowledge and mere motion, have granted, constituted and appointed, and by these presents for Us, Our heirs and successors, do grant, constitute and appoint as follows, that is to say:—

1. That the powers of The Institution of Civil Engineers notwithstanding the Statutes of Mortmain, to take purchase, possess, hold and enjoy to them and their successors, a Hall, and any messuages, tenements or hereditaments whatsoever, the yearly value whereof was not to exceed the yearly value in the said Charter mentioned, and the powers unto all and every person and persons, bodies politic and corporate (otherwise competent), to grant, sell, alien, and convey in mortmain, unto and to the use of the said Society, and their successors, any messuages, lands, tenements or hereditaments, not exceeding the yearly value therein mentioned, shall be and are hereby extended, so that the yearly value of the Hall, messuages, lands, tenements and hereditaments, acquired or to be acquired

under the said Charter and this Charter, shall not exceed £8,000, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof: PROVIDED, that such messuages, tenements or hereditaments shall be aliened, taken and held by the said Institution to be used and enjoyed solely for the purposes thereof and not otherwise.

2. And We do hereby, for Us, Our heirs and successors, grant and declare that these Our Letters Patent, or the enrolment or exemplification thereof, shall be in all things valid and effectual in law according to the true intent and meaning of the same, and shall be construed and adjudged in the most favourable and beneficial sense for the best advantage of the said Institution, as well in Our Courts as elsewhere, notwithstanding any recital, misrecital, uncertainty or imperfection in these Our Letters Patent.

IN WITNESS whereof We have caused these Our Letters to be made Patent. Witness ourself at Westminster the 3rd day of August, in the fifty-first year of Our Reign.

By Warrant under the Queen's Sign Manual,

MUIR MACKENZIE.





SUPPLEMENTAL CHARTER, 1896.





## SUPPLEMENTAL CHARTER.

20 *March*, 1896.

VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith: To all to whom these presents shall come, Greeting:

WHEREAS the body politic and corporate of THE INSTITUTION OF CIVIL ENGINEERS was incorporated under or by virtue of a certain Charter or Letters Patent bearing date at Westminster the 3rd day of June, in the ninth year of the reign of King George the Fourth, and the said Institution is now regulated and governed by and according to the provisions of the said Charter or Letters Patent, and a certain Supplemental Charter or Letters Patent, dated the 3rd day of August, in the fifty-first year of Our reign, and by or according to certain By-laws and regulations made by the said Institution. AND WHEREAS by the said Charter or Letters Patent of the ninth year of the reign of King George the Fourth it is provided (inter alia) that there shall be a General Meeting of the Members of the said body politic and corporate to be held from time to time as therein mentioned, and that there shall always be a Council to direct and manage the concerns of the said body politic and corporate, and that the General Meetings and the Council shall have the entire direction and management of the same in the manner and subject to the regulations therein mentioned, and that at all General Meetings and Meetings of the Council the majority of the members present and having the right to vote thereat respectively shall decide upon the matters propounded at such Meetings, the person presiding therein having, in case of an equality of numbers, a second or casting vote. And that the Council shall consist of a President, four Vice Presidents, and not more than fifteen

nor less than seven other Members, to be elected out of the said body politic and corporate, and that it shall be lawful for the said body politic and corporate to hold General Meetings once in the year or oftener, for the purposes therein mentioned, including (inter alia) that the General Meeting shall choose the President, Vice Presidents, and other Members of the Council, and that the General Meetings shall make and establish such By-laws as they shall deem to be useful and necessary for the regulation of the said body politic and corporate and (inter alia) for fixing and determining the manner of electing the President, Vice Presidents, and other Members of the Council. AND WHEREAS the said recited portions of the Charter of the ninth year of the reign of King George the Fourth were unaffected by the said Supplemental Charter of the fifty-first year of Our reign, and still remain in force. AND WHEREAS the said Institution presented their humble Petition to Us alleging (inter alia) as follows:—

At the time the said Charter of the ninth year of the reign of King George the Fourth was granted, the number of Members of all classes was one hundred and fifty-six; the prescribed number of the Council was sufficient to enable the Institution to place upon the Council an adequate number of representative men having regard to the total number of Members, and the scope of all branches of Engineering science, as then taught and practised throughout the Realm; and the number of Members residing in or near to the Metropolis formed a large proportion of the whole number, and could reasonably be expected personally to attend General Meetings for the purpose of electing a President, Vice Presidents, and other Members of the Council.

On the 2nd day of January, One thousand eight hundred and ninety-six, the number of Members of all classes was Five thousand nine hundred and sixty-nine; the prescribed number of Members of the Council is no longer sufficient to enable the Institution to place on the Council an adequate number of representative

men having regard to the total number of Members, and the scope of all branches of Engineering science, as now taught and practised throughout the Realm; and the number of Members residing in or near the Metropolis now forms a comparatively small portion of the whole number, and a large proportion cannot now be reasonably expected, personally, to attend General Meetings for the purpose of electing a President, Vice Presidents, and other Members of Council. It is desired by the Members of the Institution, and is expedient, that the maximum number of Members of the Council (exclusive of the President and Vice Presidents) should no longer be limited to fifteen, but should be such number as may be from time to time fixed by the By-laws, having regard to the growth and requirements of the Institution, and that in the maximum number there may be included such number (not being more than four), of Past Presidents of the Institution, to be appointed by the Council from time to time in accordance with By-laws to be made in that behalf, to act as Members of the Council together with the President, Vice Presidents, and elected Members of the Council; and that the minimum number of Members of the Council (exclusive of the President and Vice Presidents, but inclusive of any Past Presidents appointed as aforesaid) should be raised from seven to twenty-two; and that the power of taking part in the election of a President, Vice Presidents, and elected Members of Council should not be confined to Members actually present at a General Meeting; and that the Institution should have power to conduct such election by means of ballot or voting papers in such manner as may be from time to time prescribed by By-laws made in accordance with the said Charters.

Therefore the Petitioners most humbly supplicated Us to grant Our Royal Charter for the purpose of enabling the number of Members of the Council of the Institution to be enlarged in manner aforesaid, and for the purpose of enabling

the votes of Members not actually present at a Meeting to be taken into account in the election of the President, Vice Presidents, and other Members of the Council of the Institution.

Now KNOW YE that We, taking the premises into Our Royal consideration, of Our especial grace, certain knowledge and mere motion, Have granted, constituted, and appointed, and by these presents, for Us, Our heirs and successors, Do grant, constitute and appoint in manner following, that is to say :—

THAT, notwithstanding anything in the Charter of the ninth year of the reign of King George the Fourth, incorporating THE INSTITUTION OF CIVIL ENGINEERS, the By-laws of the Institution may from time to time prescribe a maximum number of Members of the Council (other than and exclusive of the President and Vice Presidents) and that from and after the enactment of any such By-law the number of Members of the Council (other than and exclusive of the President and Vice Presidents) shall not be more than the maximum so prescribed, nor less than twenty-two.

THAT, notwithstanding anything in the said Charter, the By-laws of the Institution may from time to time prescribe that a certain number (not being more than four) of the Members of the Council shall be former Presidents of the Institution, to be appointed by the Council from time to time, in accordance with such By-laws, to act as Members of Council together with the President, Vice Presidents, and elected Members of the Council, and so that the Past Presidents so appointed shall, while they hold office under such appointment, be deemed to be members of the Council for the purpose of computing the maximum and minimum number of Members, and for all other purposes.

THAT, notwithstanding anything in the said Charter, the votes of Members not actually present at Meetings at which the election of the President, Vice Presidents, and other Members of the Council (other than Past Presidents appointed under this Our Charter) is propounded, or at which the President, Vice Presidents, and Members (other than as last aforesaid) are chosen, may be taken into account by means of ballot or voting papers or instruments of proxy

as may be prescribed by by-laws from time to time framed for that purpose by the Institution.

THAT the Council, consisting of a President, four Vice Presidents, and not more than the maximum number for the time being prescribed by the By-laws, nor less than twenty-two other Members constituted in accordance with this Our Charter, shall have the direction and management of the concerns of the said body politic and corporate, and the rights and duties conferred on the Council elected out of the said body politic and corporate in accordance with the said Charter of the ninth year of the reign of King George the Fourth.

AND We do hereby, for Us, Our heirs and successors, grant and declare that these Our Letters Patent, or the enrolment or exemplification thereof, shall be in all things valid and effectual in law according to the true intent and meaning of the same, and shall be construed and adjudged in the most favourable and beneficial sense for the best advantage of the said Institution, as well in Our Courts as elsewhere, notwithstanding any recital, misrecital, uncertainty, or imperfection in these Our Letters Patent.

IN WITNESS whereof We have caused these Our Letters to be made Patent. Witness Ourselves at Westminster, the twentieth day of March, in the Fifty-ninth year of our reign.

BY WARRANT UNDER THE QUEEN'S SIGN  
MANUAL.

MUIR MACKENZIE.







BY-LAWS AND REGULATIONS.



BY-LAWS AND REGULATIONS  
OF  
The Institution of Civil Engineers.

AS AMENDED 30 MARCH, 1897.

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SECTION I.

OBJECTS.

THE INSTITUTION OF CIVIL ENGINEERS was first established, and has since been incorporated by Royal Charter, for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer.

SECTION II.

CONSTITUTION.

1. THE INSTITUTION OF CIVIL ENGINEERS shall consist of Members, of Associate Members, of Associates entitled to the privileges of Corporate Membership, and of Honorary Members. All such Members, Associate Members, Associates, and Honorary Members may hereafter be referred to as Corporate Members. The Institution may also have attached to it Associates who are not entitled to the privileges of Corporate Membership, and Students.

2. MEMBERS shall comprise every person who, on the 2nd of December, 1878, was on the Register as a Member; and every person thereafter elected or transferred into the class of Members. Every Candidate for election or transfer into the

class of Members shall be more than thirty years of age, and shall come within one of the following conditions:—

He shall have been regularly educated as a Civil Engineer, shall have had subsequent employment for at least five years and shall be actually engaged at the time of his application for election, in responsible situations as Resident Engineer, or otherwise, in some of the branches defined by the Charter as constituting the profession of a Civil Engineer; or,

He shall have practised on his own account in the profession of a Civil Engineer for at least five years, and shall have acquired a considerable degree of eminence in the same.

3. ASSOCIATE MEMBERS shall comprise every person who, being a Civil Engineer by profession, was on the register as an Associate on the 2nd of December, 1878, and every person thereafter elected into the class of Associate Members.

Every candidate for election into the class of Associate Members shall be more than twenty-five years of age,  
(a) He shall have been regularly educated as a Civil Engineer, shall have passed such examination or examinations as are appointed or are recognized by the Council, and shall be actually engaged at the time of his application for election, in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter; or,

(b), He shall satisfy the Council that he has had a sufficient training, that he has been engaged for at least five years and that he is actually engaged at the time of his application for election, in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter, and shall furnish a satisfactory Thesis or Paper on a professional subject; or,

(c), He shall, whilst complying with either of the foregoing conditions as to training and occupation as set forth in the paragraphs (a) and (b), afford satisfactory proof to the Council of his fitness for election without either examination or the submission of a Thesis or Paper.

4. ASSOCIATES ENTITLED TO THE PRIVILEGES OF CORPORATE MEMBERSHIP shall comprise every person who, not being a Civil Engineer by profession, was on the Register as an Associate on the 2nd of December, 1878.

5. ASSOCIATES NOT ENTITLED TO THE PRIVILEGES OF CORPORATE MEMBERSHIP shall be persons who are not Civil Engineers by profession, but whose pursuits constitute branches of Engineering, or who by their connection with Science or the Arts, or otherwise, are qualified to concur with Civil Engineers in the advancement of professional knowledge.

6. HONORARY MEMBERS shall be either distinguished individuals, who from their position are enabled to render assistance in the prosecution of public works, or persons eminent for science and experience in pursuits connected with the profession of a Civil Engineer, but who are not engaged in the practice of that profession in the United Kingdom or its dependencies.

7. STUDENTS shall be persons not under eighteen years of age, who are, or have been, pupils of Corporate Members of the Institution, who have complied with the regulations of Section IV. of these By-Laws, and who have the object or intention of becoming engaged in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter; and such persons may continue Students until they attain the age of twenty-six years, but not longer.

8. The Officers of the Institution shall be a President, four Vice-Presidents, and other Members of Council to be elected or nominated under the By-Laws, who shall constitute the Council to direct and manage the concerns of the Institution; also two Auditors of Accounts, a Treasurer, and two Secretaries. Such Officers shall be elected or appointed annually in manner hereinafter directed.

9. Any Member, Associate Member, Associate, Honorary Member, or Student, having occasion to designate himself as belonging to the Institution, shall state the class to which he belongs, according to the following abbreviated forms, *viz.* M. Inst. C.E., Assoc. M. Inst. C.E., Assoc. Inst. C.E., Hon. M. Inst. C.E., Stud. Inst. C.E.

## SECTION III.

ELECTION, TRANSFER AND EXPULSION OF MEMBERS,  
ASSOCIATE MEMBERS, ASSOCIATES AND HONORARY  
MEMBERS.

1. Any person desirous of being elected a Member, Associate Member, Associate, or Honorary Member, must be proposed and recommended according to the Form A in the Appendix, in which the name, usual residence, and qualifications of the candidate shall be distinctly specified. The proposal must be signed by at least six Corporate Members certifying a personal knowledge of the candidate, and a full conviction of his qualifications, and the candidate must sign the undertaking appended to the Form.

2. The proposal so made, being delivered to the Secretary, shall be submitted to the Council, who shall consider the qualifications specified, and shall in the case of persons required by these By-laws to have passed Examinations appointed or recognised by the Council, or to have furnished Theses or Papers, satisfy themselves that the candidate has passed the necessary examination or examinations, or has furnished the necessary Thesis or Paper. The Council shall determine the class for which the candidate is to be presented for Ballot, and shall specify the same on the proposal. The Chairman of the Meeting of Council which approves, or (after being satisfied as aforesaid) finally approves, the eligibility of a candidate, shall sign the proposal, which shall then be read at the next Ordinary Meeting of the Institution, and be placed in some conspicuous situation until the candidate is balloted for, and six clear days shall elapse between the reading of the proposal and the Ballot.

The Council shall cause to be held examinations for persons desirous of being elected Associate Members, and shall frame regulations for such examinations, defining the times at which they shall be held, the subjects which they shall comprise, and the fees to be paid or deposited by candidates in respect of such examinations; and they may from time to time add to or vary or rescind any of the aforesaid regulations as it may appear to them to be necessary.

The examinations shall be directed by the Council, who shall obtain such assistance as may be necessary from qualified persons to be appointed by them examiners in such subjects as the Council may from time to time determine. The remuneration of such examiners shall be fixed by the Council. The Council may in their discretion permit persons who are not at the time candidates for election to present themselves for examination, and if they pass such examination the Council may exempt them (wholly or partially) from further examination if they subsequently apply for election. After each examination held under the direction of the Council a report of the names of those who have passed shall be presented by the examiners to the Council. The Council shall have power to recognize such University degrees and Collegiate or other certificates as after scrutiny they may deem to prove a sufficient standard of attainment in the subjects referred to; and may exempt such graduates or holders of such certificates from passing the aforesaid examinations appointed and directed by the Council.

3. Any person whose proposal has been passed by the Council shall be duly informed of it by a letter from the Secretary.

4. Ballots shall take place at the first Ordinary Meeting of the Institution in the month of December in each year, and at the first Meeting in each ensuing month during the Session, and at the last Meeting but one in the Session. Only Corporate Members have the right of voting.

5. Every candidate shall be declared to be elected unless there be at least one negative vote for every four affirmative votes.

6. In any election a second ballot shall be granted, at the same Meeting, if it be demanded immediately by any three persons present having a right to vote.

7. In case of the non-election of any person balloted for no notice shall be taken thereof on the minutes.

8. The proposal for transferring any person from the class of Associate Members to the class of Members shall be according to Form C in the Appendix. This form being subscribed by at least ten Corporate Members, and delivered to the Secretary, shall be submitted to the Council, who, subject to the conditions



hereinbefore set forth, may, if they think fit, make the proposed transfer.

9. Any person duly elected a Member, Associate Member, Associate, or Honorary Member, or transferred from one class to another, shall be informed thereof without delay, by a letter, according to the Form D, enclosing a promise (Form E), which promise the person elected or transferred must sign and return to the Secretary, and he must pay the admission fee and annual subscription for the current year (or the increase thereof in case of transfer) within two months after the date of his election or transfer which otherwise shall become void ; but the Council may in particular cases extend the time.

10. Every individual elected, and having signed the Form E in the Appendix, and the Register of the Institution, and having likewise made the proper payments, shall receive the diploma of his election. At the first Ordinary Meeting at which he is present, he shall, after having fulfilled the foregoing requirements, be introduced according to the ensuing form: *viz.* the President or Chairman of the Meeting, addressing him by name, shall say, "As President (or as Chairman of this Meeting) "of THE INSTITUTION OF CIVIL ENGINEERS, I introduce Mr. "A. B. as a Member, Associate Member, Associate, or Honorary Member (as the case may be)."

11. The Council shall have the right, by a majority of two-thirds of those present at a meeting of the Council, to expel from the Institution any Member, Associate Member or Associate who may be convicted, by a competent tribunal, of felony, embezzlement, larceny, or misdemeanour, or other offence which, in the opinion of the Council, renders him unfit to be a member ; and in case the Council shall be of opinion that the conduct of any Member, Associate Member or Associate should become the subject of enquiry with a view of ascertaining whether there are grounds for his expulsion, or in case twenty or more Corporate Members shall think fit to draw up and sign a proposal for the expulsion of a Member, Associate Member or Associate on any ground whatever, and shall deliver the same to the Secretary to be laid before the Council for consideration, the Council shall make such enquiry as they deem adequate ; and if they do not find sufficient reason for



expulsion no entry of the enquiry shall be made in the Minutes; but if the Council by a majority of at least eleven-twelfths of those present at a Meeting of the Council specially summoned for the purpose and at which at least twelve Members of Council are present, do find good reason for expulsion of the Member, Associate Member or Associate on the ground that he has been guilty of disgraceful conduct in any professional respect they shall cause such person's name to be erased from the Register and thus expel him from the Institution. The Secretary shall give him notice according to Form G in the Appendix, and the Council shall report such erasure at the next Annual General Meeting.

#### SECTION IV.

##### ADMISSION AND PRIVILEGES OF STUDENTS.

1. Upon producing evidence of having passed such examination or examinations in the subjects of general education as may be appointed or recognized by the Council, persons, between the ages of 18 and 25 years, may be admitted as Students by the Council on the recommendation (according to Form B in the Appendix) of the Corporate Members under whom they are, or have been, pupils; and they may remain Students of the Institution, at and during the pleasure of the Council, until they attain the age of twenty-six years, when they shall cease to be Students.

The Council may cause to be held examinations for persons desirous of being admitted Students, and may frame regulations for such examinations, defining the times at which they shall be held, the subjects which they shall comprise, and the fees to be paid or deposited by candidates in respect of such examinations; and the Council may from time to time add to or vary or rescind such of the aforesaid regulations as may appear to them to be necessary, and shall have power to recognize in their discretion University degrees and Collegiate and other certificates in lieu of examinations appointed under the provisions of this Section.

2. Any person admitted as a Student shall be informed thereof by letter (according to the Form F in the Appendix)

stating that the first year's subscription must be paid within two months, otherwise the admission will be void. When the first subscription shall have been paid he shall be entitled to attend the Ordinary Meetings, but not to vote at such Meetings, and to have the use of the Library (subject to such regulations as the Council may from time to time prescribe), as well as to receive a copy of the Minutes of Proceedings relating to each session during which he shall continue to be a Student.

3. Students of the Institution are eligible to compete for the premiums or prizes arising out of the "Miller Fund," and any other funds devoted by the Institution, or by any person or persons, for premiums or prizes for Students.

4. The Council may accord to Students other privileges, but subject to such terms, regulations, and restrictions, as they shall from time to time prescribe.

5. No Student will be allowed to introduce a stranger into the rooms of the Institution.

## SECTION V.

### CONTRIBUTIONS TO THE FUNDS.

1. Those Members, Associate Members, Associates, and Students, whose place of business or whose residence is within ten miles of the General Post Office, shall be considered Residents, and those beyond such limits Non-Residents.

2. On change of place of business or of residence, so as to go beyond or come within those limits before each annual contribution becomes due, the amount thereof shall vary accordingly.

3. Each resident Member shall pay four guineas, and each non-resident Member three guineas, per annum.

4. Each resident Associate Member and Associate shall pay three guineas, and each non-resident Associate Member and Associate two guineas and a half, per annum. The subscription for the current year paid by an Associate Member shall, on his transfer to Membership, be taken as in part payment of his subscription as a Member for that year.

5. Each resident Student shall pay two guineas, and each non-resident Student one guinea and a half, per annum. The

subscription for the current year paid by a Student shall on his election to Associate Membership, be taken as in part payment of his subscription as an Associate Member for that year.

6. Every new Member, Associate Member and Associate shall on admission to the Institution pay a fee of ten guineas; but no payment, other than the increased annual subscription, shall be due from an Associate Member on his transfer to Membership.

7. Any Member, Associate Member or Associate, whose subscription is not in arrear, may compound for future annual subscriptions by the payment of sixty guineas. All such compositions shall be invested, and the interest alone shall be appropriated to the current expenditure of the Institution, except by special direction of the Council on the report and recommendation of the Finance Committee.

8. All annual subscriptions are due on the first of January in each year for the year then commencing, and must be paid before the first of April of that year; any Member, Associate Member, Associate, or Student, whose subscription is in arrear shall not be entitled to attend any Meeting or to receive the publications. The subscription of any Member, Associate Member, or Associate, elected at the Ballot in December, shall become due on the first of January next ensuing: and the subscription of any Student admitted in the month of November or December shall become due on the first of January next ensuing.

9. Every individual elected a Member, Associate Member or Associate, and every Student, shall be liable for the payment of his annual subscription, until he has signified to the Secretary, in writing, his desire to resign, having previously paid all arrears, or until he has forfeited his right to remain in, or to be attached to, the Institution.

10. Any person whose subscription is two years in arrear, that is to say, whose arrears and current subscription shall not have been paid on or before the first of April, shall be reported to the Council, who shall direct application to be made to him according to Form H; and in the event of its continuing one month in arrear, after such application, the Council shall have the power, after suitable remonstrance, by letter, in the

form so provided (Form I), of erasing the name of the defaulter from the Register or lists of the Institution.

11. In the case of any Corporate Member who has been long distinguished in his professional career, but who, from ill health, advanced age, or other sufficient cause, does not continue to carry on a lucrative practice, the Council, if they find good reason for the remission of the annual subscription, may so remit it. Also they may remit any arrears which are due from such an individual ; or may accept a collection of books, or drawings, or models, or such other contribution as, in their opinion, under the circumstances of the case, may entitle the person to be enrolled as a Life Subscriber, or to enable him to resume his former rank in the Institution which may have been in abeyance from any particular cause. The Council may, if they find good reason to do so, re-instate, under such conditions as they may see fit, any Member, Associate Member or Associate, whose name has been removed from the Register under the provisions of this Section.

These cases must be considered and reported upon to the Council by a Committee appointed by the Council for the purpose.

## SECTION VI.

### CONSTITUTION OF THE COUNCIL.

1. The number of the Council shall be such as the Council in any year may fix for the ensuing year provided that such number shall not be less than twenty-three nor more than thirty-one inclusive in both cases of the President and Vice-Presidents, but exclusive of such of the Past Presidents, if any, as may be appointed by the Council.

The President, the four Vice-Presidents, and other members of the Council (exclusive of Past Presidents, to be appointed by the Council) shall be elected annually, and the Council, when elected for the year, may appoint any number of Past Presidents, not exceeding four, to be members of the Council for the same year.

2. At an Ordinary Meeting at least four weeks before the Annual General Meeting, the Council shall present a list of

persons whom they nominate as suitable for the offices of President, Vice-Presidents, and other members of the Council for the ensuing year, exclusive of Past Presidents to be appointed by the Council when elected. The list shall include the names of not less than seven corporate members who have not served on the Council during the current or the preceding year, and the number of names in all shall be at least two in excess of the number of the Council to be elected. The list so presented shall be the balloting list for the annual election on the last Tuesday of the Session.

No person shall be nominated for the office of President more than two years consecutively, and at the expiration of such two years he shall not for a period of three years be eligible to be nominated for that office.

The senior Vice-President in duration of office shall be nominated for President, except he give notice to the Council, at least one month previously, of his intention to decline accepting office.

In case of the decease or resignation of the President, the Council shall be empowered to summon a Special General Meeting of Corporate Members who shall proceed to the nomination and election of a President, the senior Vice-President being nominated as above provided.

3. At the Annual election, each Corporate Member may erase any name or names from the balloting list, and may substitute the name or names of any other person or persons eligible for each respective office; but the number of names on the list, after such erasure or substitution, must be, without the repetition of any of them, the number to be elected to the respective offices as above enumerated. Those lists which do not accord with these directions shall be rejected by the Scrutineers.

4. At the Ordinary Meeting next before the Annual General Meeting the members shall choose two or more persons as Scrutineers for the purposes of the Ballot. The Balloting List shall immediately after the Ordinary Meeting at which it has been presented by the Council be issued to all members in the United Kingdom, and to any other member residing elsewhere, who may, in writing, request to have the list forwarded to him, and shall be returned to the Secretary, at least three days before the Annual General



Meeting, in a closed envelope. The Scrutineers shall open the envelopes and count the votes and report the result at the Annual General Meeting. Any Balloting List on which a member has voted for a number either more or less than one person as President, four persons as Vice-Presidents, and the prescribed number of persons as other elected Members of the Council, shall be rejected by the Scrutineers.

5. The two Auditors shall be elected or appointed by the Annual General Meeting.

6. The Treasurer and Secretaries shall be appointed annually by the Council.

## SECTION VII.

### THE PRESIDENT.

The President shall take the chair at all Meetings of the Institution, the Council, and the Committees, at which he is present, and shall regulate and keep order in the proceedings.

## SECTION VIII.

### THE VICE-PRESIDENTS.

In the absence of the President, it shall be the duty of the Vice-Presidents to preside in rotation at the Meetings of the Institution, and to regulate and keep order in the proceedings. But in case of the absence of the President and of all the Vice-Presidents, the Meeting may elect any member of Council, or, in case of their absence, any Corporate Member present, to take the chair at the Meeting.

## SECTION IX.

### PROCEEDINGS OF THE COUNCIL.

1. The direction and management of the concerns of the Institution are vested in the Council, under the control of the Charter, By-Laws and Regulations, and of all Resolutions of Special General Meetings of Corporate Members, which have

been duly summoned and held in accordance with the Charter and By-Laws, when such Resolutions have been duly entered on the Minutes, and signed by the Chairmen of the Meetings.

2. The Council shall meet as often as the business of the Institution may require; and at every Meeting three shall constitute a quorum. The Council may appoint Committees, for special purposes, to report to the Council.

3. All questions shall be decided in the Council by vote; but at the desire, expressed in writing, of any two members present, the determination of any subject shall be postponed to the succeeding Meeting.

4. A statement of the funds of the Institution, and of the receipts and payments during the past year, terminating on the 31st of March, shall be made, under the direction of the Council, and, after having been verified and signed by the Auditors, shall be laid before the Annual General Meeting.

5. The Council shall draw up a yearly Report on the state of the Institution, which shall be read at the Annual General Meeting.

6. It shall be the duty of the Council to adopt every possible means for the advancement of the Institution; to provide for properly conducting the business of the Institution in all cases of emergency, as the death or resignation of officers; and to arrange for the publication of the Papers read at the Meetings, and of such documents as may be calculated to advance professional knowledge.

## SECTION X.

### THE TREASURER AND THE TWO AUDITORS.

1. The Treasurer shall be a Banker in the Metropolis, with whom all uninvested money belonging to the Institution shall be deposited by the Council on account and for the use of the Institution.

2. No sum of money payable on account of the Institution, amounting to five pounds and upwards, shall be paid except by order of the Council, signed by the Chairman of the Meeting at which the cheque was ordered, and by two other members of Council, and countersigned by the Secretary.

3. The Auditors shall have access at all reasonable times to the Accounts of the pecuniary transactions of the Institution; and they shall verify and sign the annual statement of the Accounts before it is submitted by the Council to the Annual General Meeting.

## SECTION XI.

### THE SECRETARIES.

1. The Secretaries of whom one shall be Honorary, and the other or acting Secretary shall be designated as the Secretary, shall be appointed every year by the Council, at the first Meeting of the Council after the Annual General Meeting.

2. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution; to attend all Meetings of the Institution, and of the Council, and of Committees; to take Minutes of the proceedings of such Meetings; to read the Minutes of the preceding Meeting and all communications that may be ordered to be read; to superintend the publication of such Papers as the Council may direct; to have charge of the Library; to direct the collection of the subscriptions and the preparation of the account of the expenditure of the funds, and to present all accounts to the Council for inspection and approval. He shall also engage and be responsible for all persons employed under him, and shall generally conduct the ordinary business of the Institution.

## SECTION XII.

### THE SESSIONS AND MEETINGS.

1. The Session of the Institution shall commence annually on the first Tuesday in November, and shall continue till the end of April, and it shall be in the power of the Council to protract the Session, if it appear advisable.

2. The Meetings of the Institution shall be as follows:—  
1st, the Annual General Meeting of Corporate Members only.



2nd, Ordinary Meetings. 3rd, Special General Meetings of Corporate Members only, for the purpose of making, altering, and establishing By-laws and Regulations, or for any other special business for which such Meetings may be convened.

3. The Annual General Meeting of the Institution shall be held on the last Tuesday of the Session, at eight o'clock in the evening, to receive and deliberate upon the Report of the Council on the state of the Institution, with the annual statement of the Accounts, and to elect the Council and Officers for the ensuing year.

4. The Ordinary Meetings shall be held on every Tuesday, during the Session, at eight o'clock in the evening, with the exception of the Tuesdays between the Tuesday previous to Christmas Eve and the second Tuesday in January, and also with the exception of Easter Tuesday; but it shall be in the power of any Ordinary Meeting, on the recommendation of the Council, to make such other exceptions as may appear advisable. No new question shall be introduced, or motion be made, after ten o'clock.

5. The business of the Ordinary Meetings of the Institution shall be conducted as nearly as possible in the following order:—

1. The Minutes of the preceding meeting to be read, and after having been confirmed, to be signed by the Chairman.

2. Business arising out of the Minutes to be entered on.

3. Communications from the Council to be brought forward.

4. Candidates for election to be announced.

5. Any individual present for the first time since his election, having paid the usual contributions, and signed the Forms and the Register, to be introduced by the Chairman to the Meeting.

6. Original Communications to be read and discussed.

7. Candidates for election to be balloted for.

6. Every Corporate Member shall have the privilege of introducing one stranger, to be present at the Ordinary Meetings of the Institution, on writing his name in a book provided for

that purpose, or sending with him a card signed with his name, according to a Form provided.

7. No question shall be discussed, or motion be made, at the Ordinary Meetings, relative to the direction and management of the concerns of the Institution; such direction and management being vested in the Council, under the control of the Charter and By-Laws, and of the Resolutions of Special General Meetings.

8. The Council may at any time call a Special General Meeting of Corporate Members for a specific purpose relative to the direction and management of the concerns of the Institution; and the Council are at all times bound to do so on a requisition in writing of twenty Corporate Members, specifying the nature of the business to be transacted.

9. A notice shall be sent to those Corporate Members who reside in the United Kingdom, at least seven days before the time appointed by the Council for such Special General Meeting; and the notice shall specify the nature of the business to be transacted, and no other than that business shall be transacted at that Meeting. All Corporate Members shall have a right, subject to the provision of Section V., Article 8, to attend and vote, and fifty shall constitute a quorum.

### SECTION XIII.

#### OTHER SOCIETIES AND LECTURES.

1. The Council shall have power to grant, from time to time, as they may think fit, the use of the rooms of the Institution to any Society for purposes analogous to those of the Institution, and to any persons who may be desirous of having Lectures delivered on subjects connected with the objects of the Institution.

### SECTION XIV.

#### ENACTMENT OF BY-LAWS AND REGULATIONS.

1. The Council, when they may consider it expedient to propose the enactment of any new By-Law or Regulation, or the alteration or repeal of any existing one, shall summon a Special

General Meeting of Corporate Members to decide on the same. And the Council are at all times bound to do so on a requisition in writing of twenty Corporate Members, specifying the particular new By-Law or Regulation, or the alteration or repeal of any existing one, which they recommend.

2. A notice shall be sent to those Corporate Members who reside in the United Kingdom, at least seven days before the time appointed by the Council for such Special General Meeting. The notice shall state the general tenour and objects of any new By-Law or Regulation or the alteration or repeal of any existing one, which is to be proposed and discussed; and the business of the Meeting shall be limited thereto. All the Corporate Members of the Institution (but none other than Corporate Members) shall have a right, subject to the provision of Section V., Article 8, to attend and vote, and fifty shall constitute a quorum.

3. No new By-Law or Regulation, or alteration or repeal of any existing By-Law or Regulation, shall be proposed at any Meeting of the Institution, except in the manner above prescribed.

4. It shall be sufficient in all cases if the Forms in the Appendix are substantially followed, and no act or proceeding shall be invalid by reason of any formal defect.

## SECTION XV.

### THE PROPERTY OF THE INSTITUTION.

1. The property and effects of the Institution, of what kind soever, are vested in the Corporate Members for the time being, for the use of the body politic and corporate solely, in furtherance of the public and scientific objects contemplated in the Charter.

2. Under no pretence whatever shall such property and effects, or the income or revenue of the Institution, derived from voluntary contributions or otherwise howsoever, be applied in making any dividend, gift, division, or bonus, unto or between any of the Corporate Members, and the same is hereby expressly prohibited, in conformity with the fundamental law and

invariable practice of the Institution, as acted upon from its first establishment; and therefore no proposition in contravention thereof shall be entertained by the Council, or by any Meeting, whether General or Special, of the Corporate Members of the Institution.

3. Every Paper, Map, Plan, Drawing, or Model, presented to the Institution, shall be considered the property thereof, unless there shall have been some previous arrangement to the contrary, and the Council may publish the same in any way and at any time they may think proper. But should the Council refuse or delay the publication of such Paper beyond a reasonable time, the Author thereof shall have a right to copy the same, and to publish it as he may think fit, having previously given notice, in writing, to the Secretary of his intention. Except as hereinbefore provided, no person shall publish, or give his consent for the publication of any communication presented and belonging to the Institution, without the previous consent of the Council.

4. The Library shall be open daily to all Members, Associate Members, Associates, Honorary Members, and Students, from 9.30 A.M. to 5.30 P.M., when they shall have the right to peruse and inspect all Books, Papers, Plans, Maps, &c., belonging to the Institution, and to make copies and extracts therefrom (doing no injury to the same), with the exception of such documents as the Council shall order not to be inspected or copied; but none of the property of the Institution shall be taken away from the premises without the express permission of the Council.

## SECTION XVI.

### DONATIONS AND BEQUESTS.

1. The names of all persons who have presented any additions to the Library, or to the collections of Plans and Models, or who have made any voluntary contribution to the funds of the Institution, shall be recorded and published as benefactors to the Institution.

2. Every person desirous of bequeathing to the Institution

any Manuscripts, Books, Maps, Plans, Drawings, Instruments, or other personal property, is requested to make use of the following form in his will :

“ I give and bequeath to THE INSTITUTION OF CIVIL  
“ ENGINEERS, incorporated by Royal Charter, dated June  
“ the 3rd, 1828, [*here enumerate and particularize the*  
“ *effects or property to be bequeathed:*] And I hereby  
“ declare that the receipt of the Treasurer of the said  
“ Institution for the time being shall be an effectual dis-  
“ charge to my executors for the said legacy or bequest.”



APPENDIX TO THE BY-LAWS.





A P P E N D I X,  
CONTAINING FORMS REFERRED TO  
IN  
THE BY-LAWS.

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FORM A.

A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_  
\_\_\_\_\_ being upwards of twenty-five years of  
age, born on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_, and being desirous  
of belonging to THE INSTITUTION OF CIVIL ENGINEERS, I recommend him,  
from PERSONAL KNOWLEDGE, as in every respect worthy of that distinction,  
because

*[Here specify distinctly the Qualifications of the Candidate according to  
the spirit of Articles 2, 3, 5 and 6, Sect. II., of the By-Laws.]*

On the above grounds, I beg leave to propose him to the Council as a  
proper person to belong to the Institution.

Signed, (A. B.) *Corporate Member.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_.

We, the undersigned, concur in the above recommendation from per-  
sonal knowledge, and being fully convinced that A. B. is in every respect a  
proper person to belong to the Institution.

Signed, (X. Y.) *Corporate Members.*

*[Undertaking to be signed by the Candidate.]*

I, the undersigned, do hereby promise, that, in the event of my election,  
I will be governed by the Royal Charters of the Institution, and by the  
By-Laws and Regulations as they are now formed, or as they may here-  
after be altered, amended, or enlarged, under the powers of the said  
Charters; and that I will promote the objects of the Institution as far as  
may be in my power, and will present to the Institution an Original

Communication, model, or scientific work for the library, within the space of twelve months from the date of my election.

Signed, \_\_\_\_\_

The Council, having considered the above recommendation, present A. B. to be balloted for as a \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS.

Signed, \_\_\_\_\_

*Chairman.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_.

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## FORM B.

### (STUDENT.)

A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_  
 \_\_\_\_\_ born on the \_\_\_\_\_ day  
 of \_\_\_\_\_ 18 \_\_, being desirous of admission as a Student of  
 THE INSTITUTION OF CIVIL ENGINEERS, I recommend him, from PERSONAL  
 KNOWLEDGE, as worthy of that privilege, and as coming within the Rules  
 appertaining to that class, viz.: that he is upwards of eighteen years of  
 age, and is under twenty-five years of age, and is, or has been, *bonâ fide*,  
 in the course of preparation and training under me, with the object of  
 becoming engaged in the design or in the construction of such works as  
 are comprised within the profession of a Civil Engineer as defined by the  
 Charter.

\_\_\_\_\_  
 { Signature of the Proposer, who must be a  
 { Corporate Member of the Institution.  
 \_\_\_\_\_  
 Signature of the Candidate.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_.

The Council, having considered the above recommendation, admit  
 \_\_\_\_\_ as a Student of  
 THE INSTITUTION OF CIVIL ENGINEERS.

Signed, \_\_\_\_\_

*Chairman.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_.

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## FORM C.

WE, whose names are hereunto subscribed, submit to the Council of THE INSTITUTION OF CIVIL ENGINEERS the propriety of transferring A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_ born on the \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_, from the class of Associate Members, in which he was elected on the \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_, to the class of MEMBERS, because \_\_\_\_\_

[Here specify distinctly the Qualifications of the Candidate according to the spirit of Article 2, Sect. II. of the By-Laws.]

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_

Signed, \_\_\_\_\_

The Council of THE INSTITUTION OF CIVIL ENGINEERS, meeting on the \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_, transfer A. B. from the class of Associate Members to the class of Members.

Signed, \_\_\_\_\_

*Chairman.*

## FORM D.

SIR.

*The Institution of Civil Engineers.*

\_\_\_\_\_, 18 \_\_\_\_\_.

I have the honour to inform you that you were duly made a \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS, on the \_\_\_\_\_ day of \_\_\_\_\_.

According to the Regulations of the Institution, you are required as \_\_\_\_\_ to pay \_\_\_\_\_ being your admission fee, and subscription for the current year, and to return the accompanying obligation with your signature, within two months of the date of your election [or transfer]; otherwise your election [or transfer] will be void. These conditions being complied with, you will be considered as a \_\_\_\_\_ of the Institution, when the diploma of your election [or transfer], and any publications or notices to which you are entitled, will be forwarded according to your directions.

I beg to direct your attention to Section V. of the By-Laws, and to point out that all annual subscriptions become due on the 1st of January in each year for the year then commencing.

I am, Sir, &c.

## FORM E.

I, the undersigned, having become \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS, do hereby promise that I will be governed by the Royal Charter of the Institution, and by the By-Laws and Regulations of the said Institution as they are now formed, or as they may hereafter be altered, amended, or enlarged, under the powers of the said Charter; and I promise to promote the objects of the said Institution as far as shall be in my power, and to attend the meetings thereof as often as I conveniently can. Provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing my name therefrom, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

I also engage to present to the Institution an Original Communication, drawing, plan, or model of engineering interest, or some scientific work for the library, within the space of twelve months from the date of my election [*or transfer*].

Witness my hand, this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_.

## FORM F.

SIR,

*The Institution of Civil Engineers.*  
\_\_\_\_\_, 18\_\_\_\_.

I have the honour to inform you, that the Council of THE INSTITUTION OF CIVIL ENGINEERS, meeting on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_, admitted you as a Student of the Institution.

According to the Regulations of the Institution, you are required to pay the sum of \_\_\_\_\_, being the amount of your first subscription, within two months from the date of your admission, otherwise the admission will be void. When such payment has been made, you will become entitled to the privileges of your class.

I beg to direct your attention to Section V. of the By-Laws, and to point out that all annual subscriptions become due on the 1st of January in each year for the year then commencing.

I am, Sir, &c.

## FORM G.

The Institution of Civil Engineers.

\_\_\_\_\_, 18\_\_\_\_.

Sir,

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to inform you that by a Resolution passed at a Special Meeting of the Council on the \_\_\_\_\_ of \_\_\_\_\_ they have, acting under the powers conferred upon them by Article 11, Section III. of the By-laws and Regulations of the Institution, ordered your name to be erased from the Register, and have declared you to be no longer a \_\_\_\_\_ of the Institution.

I am, Sir, etc.

## FORM H.

SIR,

*The Institution of Civil Engineers.*

\_\_\_\_\_, 18\_\_\_\_.

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to draw your attention to Articles 8 and 10, Section V. of the By-Laws, and to remind you, that the sum of £\_\_\_\_\_ of your annual subscriptions to the funds of the Institution remains unpaid, and that you are in consequence in arrear of subscription. I am also directed to request that you will cause the same to be paid without further delay, otherwise the Council will be under the necessity of exercising their discretion, as to using the power vested in them by Article 10, Section V., of the By-Laws and Regulations.

I am, Sir, &amp;c.

## FORM I.

SIR,

*The Institution of Civil Engineers.*

\_\_\_\_\_, 18\_\_\_\_.

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to inform you, that in consequence of the non-payment of your arrears of subscription, and in pursuance of Article 10, Section V., of

the By-Laws and Regulations, the Council have declared by special vote, on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_, that you have forfeited your claim in future to belong to the Institution, and your name will be in consequence expunged from the Register or lists, unless payment is made previous to \_\_\_\_\_

But notwithstanding such forfeiture as regards the future, I am directed to call upon you for payment of your arrears amounting to £\_\_\_\_:\_\_\_\_:\_\_\_\_.

I am, Sir, &c.

LIST OF MEMBERS.

1 OCTOBER, 1898.

## NOTICE.

It is particularly requested that every change of residence, as well as of Telegraphic Address and Telephone Number, may be communicated without delay to

*The Secretary,*

*The Institution of Civil Engineers,*

*Great George Street, Westminster, S.W.*

In the following List the *words* in brackets denote Telegraphic Addresses; the *figures*, Telephone Numbers, referring to the respective local Exchanges.

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The prefix (✱) indicates the contributor of a Paper published in the Minutes of Proceedings.

|   |     |   |   |
|---|-----|---|---|
| ” | (T) | ” | recipient of a Telford Medal.                       |
| ” | (t) | ” | ” Telford Premium.                                  |
| ” | (W) | ” | ” Watt Medal.                                       |
| ” | (S) | ” | ” George Stephenson Medal or Prize.                 |
| ” | (M) | ” | ” Miller Scholarship.                               |
| ” | (m) | ” | ” Miller Prize.                                     |
| ” | (m) | ” | ” Manby Premium.                                    |
| ” | (H) | ” | ” Howard Quinquennial Prize.                        |
| ” | (C) | ” | ” Crampton Prize.                                   |
| ” | (t) | ” | ” Trevithick Premium.                               |
| ” | (f) | ” | ” James Forrest Medal.                              |
| ” | (L) | ” | deliverer of one of the Special Series of Lectures. |
| ” | (F) | ” | deliverer of a James Forrest Lecture.               |
| ” | (*) | ” | a former Student.                                   |



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\* \* \*

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\* \* \* *This Council will continue until April, 1899.*

### PAST-PRESIDENTS.

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Dec. 1867. *Sir Charles Hutton Gregory*,  
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Dec. 1873. *Thomas Elliot Harrison*.

Dec. 1875. *GEORGE ROBERT STEPHENSON*.

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Dec. 1880. *James Abernethy*.

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Dec. 1882. *Sir James Brunlees*.

Dec. 1883. *Sir Joseph William Bazal-*  
*gette*, C.B.

Dec. 1884. *Sir FREDERICK J. BRAM-*  
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LL.D., F.R.S.

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June 1887. *Sir GEORGE BARCLAY*  
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May 1892. *Harrison Hayter*.

May 1893. *Alfred Giles*.

May 1894. *Sir Robert Rawlinson*, K.C.B.

May 1895. *Sir BENJAMIN BAKER*,  
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June 1896. *Sir JOHN WOLFE BARRY*,  
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(*The names of those deceased are printed in italics.*)

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\* \* The Members of Council and Honorary Secretaries are Students of the Institution.

## ENUMERATION.

|                             | 1 Sept., 1897. | 1 Oct., 1898. |
|-----------------------------|----------------|---------------|
| HONORARY MEMBERS . . . . .  | 21             | 20            |
| MEMBERS . . . . .           | 1,930          | 1,946         |
| ASSOCIATE MEMBERS . . . . . | 3,961          | 3,940         |
| ASSOCIATES . . . . .        | 323            | 320           |
| STUDENTS . . . . .          | 846            | 862           |
| TOTAL. . . . .              | 7,081          | 7,088         |

## HONORARY MEMBERS.

[Hon. M. Inst. C.E.]

|         | Date of Election.                               | HONORARY MEMBERS.  |  |
|---------|---|--|--|
| T t L ✠ | { 1876 Jan. 11.<br>1881 Dec. 6.                 | { ABEL, Sir FREDERICK AUGUSTUS, Bart., K.C.B., D.C.L. (Oxon.), D.Sc. (Cantab.), F.R.S. | { Imperial Institute, South Kensington, S.W. [Imperial Institute, London. 8743.] |
|         | 1877 Mar. 13.                                   | { BELGIANS, H.M. LEOPOLD II., KING OF THE .. ..  | { Brussels.  |
|         | 1885 May 12.                                    | { CAMBRIDGE, H.R.H. the Duke of, K.G., Field-Marshal ..                                | { Gloucester House, Park Lane, W.  |
|         | 1895 May 21.                                    | { CHANUTE, OCTAVE .. ..  | { 413 East Huron St., Chicago, U.S.  |
| ✠       | { 1865 Apr. 4.<br>1896 Dec. 1.                  | { CLANKE, Sir ANDREW, G.C.M.G., C.B., C.I.E., Lieut.-General R.E. ret. .. ..           | { 42 Portland Place, W.  |
|         | 1872 May 7.                                     | { CONNAUGHT, H.R.H. the Duke of, K.G. .. ..  | { Government House, Farnborough, Hants.  |
|         | 1894 Jan. 9.                                    | { DEVONSHIRE, the Duke of, K.G., LL.D. (Cantab.) .. ..                                 | { Devonshire House, Piccadilly, W.   |
| ✠       | 1894 Jan. 9.                                    | { FRANKLAND, Sir EDWARD, K.C.B., M.D., D.C.L. (Oxon.), LL.D. (Edin.) F.R.S. .. ..      | { The Yews, Reigate Hill, Surrey.  |
| ✠       | { 1850 Mar. 5.<br>1894 Jan. 9.                  | { GALTON, Sir DOUGLAS, K.C.B., D.C.L. (Oxon. and Durham), F.R.S. .. ..                 | { 12 Chester Street, Grosvenor Place, S.W.                                       |
|         | 1895 Nov. 12.                                   | { GERMAN EMPEROR, H.I.M. WILHELM II., the .. ..  | { Berlin.  |
| L ✠     | { 1874 May 12.<br>1889 May 21.                  | { KELVIN, Lord, D.C.L. (Oxon.), LL.D. (Cantab.), F.R.S. ..                             | { The University, Glasgow.   |
|         | 1898 Apr. 5.                                    | { LISTER, Lord, D.C.L. (Oxon.)   | { 12 Park Crescent, Portland Place, [W.]   |
| T t L ✠ | { 1840 Apr. 7.<br>1856 Feb. 12.<br>1896 Nov. 3. | { POLE, WILLIAM, F.R.S.  | { Athenæum Club, Pall Mall, S.W.   |
|         | 1891 Jan. 13.                                   | { RAYLEIGH, Lord, M.A., D.C.L. (Oxon.), D.Sc. (Cantab. and Dubl.), F.R.S. .. ..        | { 4 Carlton Gardens, S.W.  |
|         | 1894 Jan. 9.                                    | { SALISBURY, the Marquess of, K.G., M.A., D.C.L. (Oxon.)                               | { 20 Arlington Street, S.W.  |
|         | 1866 May 15.                                    | { SAXE-COBURG-GOTHA, H.R.H. the Duke of, K.G. .. ..                                    | { Coburg, Germany.   |
|         | 1847 June 1.                                    | { SIMMONS, Field-Marshal Sir JOHN LINTON ARABIN, R.E., G.C.B., G.C.M.G. .. ..          | { 36 Cornwall Gardens, S.W.  |
|         | 1892 Mar. 1.                                    | { STOKES, Sir GEORGE GABRIEL, Bart., F.R.S., D.C.L. (Oxon.), LL.D., D.Sc. (Cantab.) .. | { Lensfield Cottage, Cambridge.  |
|         | 1865 Mar. 28.                                   | { WALES, H.R.H. ALBERT EDWARD, Prince of, K.G. .. ..                                   | { Marlborough House, Pall Mall, S.W.   |
|         | 1893 May 30.                                    | { YORK, H.R.H. the Duke of, K.G.   | { York House, St. James's, S.W.  |

Total number of Honorary Members .. 20.

## M E M B E R S.

[M. Inst. C.E.]

| Date of Election<br>and of Transfer. |                 | MEMBERS.  |  |
|--------------------------------------|-----------------|---|--|
|                                      | 1889 Jan. 8.    | ABBATT, RICHARD HENRY ..  | {The Vale, St. Leonards Road,<br>Eastbourne.   |
|                                      | 1881 Jan. 11.)  | *ABERNETHY, GEORGE NEILL ..   | 4 Delahay Street, Westminster, S.W.  |
|                                      | 1885 May 19.)   |   |  |
|                                      | 1883 May 29.)   | ABURROW, CHARLES .. ..  | Box 534, Johannesburg, Transvaal.  |
|                                      | 1898 Mar. 1.)   |   |  |
|                                      | 1897 Apr. 6.    | { ACLAND, FRANCIS EDWARD DYKE,<br>Captain R.A. ret.   | {76 Cheapside, E.C. (Bank 5252.)   |
|                                      | 1871 Dec. 5.)   | *ADAMS, HENRY .. ..   | 60 Queen Victoria Street, E.C.<br>(Viburnum, London.) [S.W.]   |
| S t ✕                                | 1869 Apr. 6.    | ADAMS, WILLIAM .. ..  | Hillrise, Amersham Road, Putney,<br>Works Department, London County<br>Council, Belvedere Road, S.E. |
|                                      | 1883 Mar. 6.    | ADAMS, WILLIAM .. ..  | {  |
|                                      | 1891 Dec. 1.    | ADDIS, HENRY BAWN .. ..   | Mussoorie, N.W.P., India.  |
|                                      | 1847 Mar. 2.    |   |  |
|                                      | 1859 Feb. 1.)   | ADDISON, JOHN .. ..   | The Castle Hill, Maryport.   |
|                                      | 1889 Dec. 3.)   |   |  |
|                                      | 1898 Apr. 26.)  | AGNEW, SAMUEL HEWETT ..   | {Natal & Nova Cruz Ry., Natal<br>Brazil.   |
| t m ✕                                | {1867 May 21.)  | AIRY, WILFRID, B.A. ( <i>Cantab.</i> )  | 33 Old Queen St., Westminster, S.W.  |
|                                      | {1874 Apr. 21.) |   |  |
|                                      | 1875 Mar. 2.)   |   |  |
|                                      | 1879 Dec. 16.)  | ALBRECHT, CHARLES JOHN ..   | F. C. Midland, Paysandu, Uruguay.  |
|                                      | 1890 Mar. 4.    | ALEXANDER, ANDREW MILLER  | City Surveyor's Office, Belfast.   |
|                                      | 1888 May 15.)   |   |  |
|                                      | 1889 Apr. 2.)   | ALEXANDER, ARTHUR LYON ..   | Light Ry. Co., Barsi, Bombay.  |
|                                      | 1880 Dec. 7.    | {ALEXANDER, STANLEY DE VERE<br>HASTINGS .. ..   | Railway Dept., Sydney, N.S.W.  |
|                                      | 1879 Feb. 4.)   | ALFORD, ROBERT GERVAISE,  | Prison Department, Edinburgh.  |
|                                      | 1884 May 27.)   | F.R.S.E. .. ..  | {13 Austin Friars, E.C. (Clematis,<br>London. Avenue 5773.)  |
|                                      | 1870 Feb. 1.    | ALLAN, GEORGE .. ..   | {  |
| ✕                                    | {1883 Mar. 6.)  | ALLEN, WILLIAM HENRY ..   | Queen's Engineering Works, Bed-<br>ford.   |
| ✕                                    | {1891 Apr. 7.)  | {ALLEYNE, Sir JOHN GAY<br>NEWTON, Bart. .. ..   | Chevin, Belper.  |
|                                      | 1872 Apr. 9.)   |   |  |
|                                      | 1890 May 20.    | ALLIOTT, JAMES BINGHAM ..   | {Bloomsgrove Works, Nottingham.<br>(Manloves, Nottingham.)   |
|                                      | 1894 Dec. 4.    | ALLMAN, EDWARD MCCARTHY   | D. P. W., Sydney. N.S.W.   |
|                                      | 1876 Apr. 4.)   |   |  |
|                                      | 1880 Dec. 21.)  | ALLOTT, CHARLES SNEATH ..   | {46 Brown Street, Manchester. (Al-<br>lotted, Manchester. 1952.)                                     |
|                                      | 1872 Feb. 6.    | ALLPORT, HOWARD ASTON ..  | Dodworth Grove, Barnsley.  |
| ✕                                    | {1892 Jan. 12.) | ANDERSON, ARCHIBALD MILES   | {46 Hill Street, Garnet Hill, Glas-<br>gow. [France.]  |
|                                      | {1894 Nov. 6.)  |   |  |
|                                      | 1865 Jan. 10.   | ANDERSON, BERESFORD .. ..   | Villa Nadia, Paramé, Ile et Vilaine,   |
|                                      | 1880 Feb. 3.    | ANDERSON, GEORGE .. ..  | Imperial Institute. South Kensing-<br>ton, S.W. [Calcutta.]  |
|                                      | 1883 Dec. 4.    | ANDERSON, JAMES ARTHUR ..   | Eastern Bengal State Ry., Sealdah,   |
|                                      | 1888 May 1.)    |   |  |
|                                      | 1896 Mar. 24.)  | *ANDERSON, JAMES HENRY ..   | {Caledonian Ry., Buchanan Street<br>Station, Glasgow.  |
|                                      | 1885 Mar. 3.)   |   |  |
|                                      | 1891 Nov. 3.)   | *ANDERSON, ROBERT .. ..   | Uganda Ry., Mombasa, East Africa.  |
| T t W ✕                              | {1869 Jan. 12.  | {ANDERSON, Sir WILLIAM,<br>K.C.B., D.C.L. ( <i>Durham</i> ),<br>F.R.S. ( <i>Vice-President</i> ) .. | {85 Shooters Hill Road, Blackheath,<br>S.E.  |
| L F                                  |                 |   |  |
|                                      | 1878 Feb. 5.    | ANDERSON, WILLIAM .. ..   | {Teesdale Ironworks, Stockton-on-<br>Tees.   |
|                                      | 1891 Jan. 13.   | {ANDRADE, ANTONIO DE CAR-<br>VALHO PAES DE .. ..  | Cidade de Olinda, Pernambuco.  |
|                                      | 1858 Jan. 12.   | ANDREWS, ARTHUR THOMAS ..   | 6 Fairlawn Park, Chiswick, W.  |
|                                      | 1875 May 11.)   |   |  |
|                                      | 1881 May 31.)   | ANDREWS, EDMUND .. ..   | L. & S.W.Ry., Waterloo Station. S.E.   |

| Date of Election<br>and of Transfer. |               | MEMBERS.   |  |
|--------------------------------------|---------------|--|--|
| t                                    | 1863 Dec. 1.  | ANDREWS, JOHN ORME .. ..   | 14 King's Avenue, Ealing, W.   |
|                                      | 1877 May 8.   |  |  |
|                                      | 1881 Dec. 6.  | ANDREWS, THOMAS, F.R.S. ..   | Wortley Ironworks, near Sheffield.   |
|                                      | 1888 Jan. 17. |  |  |
| t                                    | 1866 Dec. 4.  | ANDREWS, THORNTON .. ..  | Cefn Eithen, Swansea.  |
|                                      | 1878 Apr. 9.  |  |  |
|                                      | 1877 Mar. 6.  | ANDREWS, WILLIAM .. ..   | 7 Park Crescent, Tonbridge.  |
|                                      | 1859 Apr. 5.  |  |  |
|                                      | 1866 May 15.  | ANGELL, LEWIS .. ..  | Town Hall, Stratford, E.   |
|                                      | 1882 Dec. 5.  |  |  |
|                                      | 1893 Dec. 19. | ANGUS, DAVID .. ..   | Arauco Co., Coronel, Chili.  |
|                                      | 1887 Feb. 1.  |  |  |
|                                      | 1894 Mar. 6.  | ANGUS, JONATHAN .. ..  | { 13 Crockerton Rd., Upper Tooting,<br>S.W.                                    |
|                                      | 1885 May 19.  |  |  |
| t                                    | 1879 Apr. 1.  | { ANLEY, GEORGE AUGUSTUS<br>D'Auvergne .. ..   | { Mendip Lodge, De Parys Avenue,<br>Bedford.                                   |
|                                      |               |  |  |
|                                      | 1864 Feb. 2.  | { APJOHN, JAMES HENRY,<br>M.A. (Dubl) .. ..  | { Port Trust, Calcutta.  |
|                                      |               |  |  |
|                                      | 1877 May 29.  | APPLEBY, CHARLES JAMES ..  | { 22 Walbrook, E.C. (Millwright,<br>London.)                                   |
|                                      | 1863 May 5.   |  |  |
|                                      | 1888 Oct. 30. | APPLETON, EDWARD .. ..   | 1 Vaughan Parade, Torquay.   |
|                                      | 1897 Dec. 7.  |  |  |
|                                      | 1885 May 5.   | ARGOLLO, MIGUEL DE TEIVE E   | São Francisco Ry., Alagoinhas, Bahia,<br>[Brazil.]                             |
|                                      |               |  |  |
| T                                    | 1849 Apr. 3.  | { ARGYLE, JOHN .. ..   | { Midland Ry., Derby.  |
|                                      |               |  |  |
|                                      |               |  |  |
|                                      |               |  |  |
|                                      | 1854 Jan. 31. | { ARMSTRONG, Lord, C.B.,<br>LL.D. (Cantab.), D.C.L.<br>(Oxon. & Durham), F.R.S.<br>(Past-President.) | { Cragside, Rothbury.  |
|                                      |               |  |  |
|                                      |               |  |  |
|                                      |               |  |  |
|                                      | 1869 Dec. 7.  | { ARMSTRONG, Professor GEORGE<br>FREDERICK, M.A. (Cantab.),<br>F.R.S.E. .. ..                        | { The University, Edinburgh.   |
|                                      |               |  |  |
| m                                    | 1877 May 29.  | * ARMSTRONG, WALTER YOUNG ..   | G. W. Ry., Paddington, W.  |
|                                      |               |  |  |
|                                      | 1890 Feb. 4.  | ARNOT, WILLIAM .. ..   | { 79 West Regent Street, Glasgow.<br>(Induction, Glasgow. 5341.)               |
|                                      | 1896 Dec. 22. |  |  |
|                                      | 1882 May 2.   | ASKWITH, ROBERT .. ..  | The Hall, Witton-le-Wear, co. Dur-   |
|                                      | 1881 Feb. 1.  |  |  |
|                                      | 1887 Nov. 22. | { ASPINALL, JOHN AUDLEY<br>FREDERICK .. ..   | { Fern Bank, Heaton, Bolton. [ham.]  |
|                                      |               |  |  |
|                                      | 1871 Feb. 7.  | ATHERSTONE, GUYBON DAMANT  | { Bloemfontein, Orange Free State.   |
|                                      | 1884 Oct. 14. |  |  |
| +                                    | 1890 Jan. 14. | ATKINSON, ALEXANDER .. ..  | P.W.D., Jammu, Kashmir, India.   |
|                                      | 1877 Apr. 10. |  |  |
|                                      | 1896 Nov. 16. | ATKINSON, JOHN .. ..   | { Gt. Southern Railway, Uruguayana,<br>Brazil.                                 |
|                                      |               |  |  |
|                                      | 1859 Apr. 5.  | ATKINSON, WILLIAM .. ..  | Erwood, Beckenham. [S.W.]  |
|                                      | 1891 Feb. 3.  |  |  |
|                                      | 1865 Feb. 7.  | ATTOCK, FREDRICK .. ..   | 14 York Mansions, Earl's Court,<br>[London.]                                   |
|                                      |               |  |  |
|                                      | 1879 Jan. 14. | AYLMER, RICHARD .. ..  | { 47 Victoria Street, S.W. (Leclanché,<br>London.)                             |
|                                      | 1873 Feb. 5.  |  |  |
| +                                    | 1878 Feb. 5.  | AYRES, ARTHUR .. ..  | Ashleigh, Truro Rd., Wood Green, N.  |
|                                      | 1860 Apr. 3.  |  |  |
| m                                    | 1874 Dec. 1.  | * BAGGALLAY, HENRY CHARLES   | 17A Onslow Gardens, S.W.   |
|                                      |               |  |  |
|                                      | 1889 Mar. 26. | BAGLEY, FREDERICK ROBERT ..  | State Rys., Rangoon, Burma.  |
|                                      | 1890 Dec. 2.  |  |  |
|                                      | 1886 Jan. 12. | { BAGNALL, HARVEY,<br>M.A., B.A.I. (Dubl) .. ..  | { Gwelo, Rhodesia, South Africa.   |
|                                      |               |  |  |
|                                      | 1888 Oct. 30. | BAILEY, JOHN CHARLES .. ..   | 211 Carlton St., Toronto, Canada.  |
|                                      | 1874 Feb. 3.  |  |  |
|                                      | 1896 Feb. 4.  | BAILEY, THOMAS HENRY .. ..   | 98 St. Mary Street, Cardiff.   |
|                                      |               |  |  |
| m                                    | 1888 Feb. 7.  | BAILLIE, JONATHAN ROBERT ..  | { London Yard, Poplar, E. (Eastern<br>65.)                                     |
|                                      | 1891 Mar. 3.  |  |  |
|                                      | 1871 Dec. 5.  | * BAINBRIDGE, EMERSON, M.P. ..   | { Bryn Newydd, Colwyn. N. Wales.<br>4 Whitehall Court, S.W. (Gerrard<br>2730.) |
|                                      | 1883 May 29.  |  |  |



| Date of Election<br>and of Transfer. |               | MEMBERS.  |   |
|--------------------------------------|---------------|---|---|
|                                      | 1876 May 30.  | BAIRD, GEORGE .. .. .   |   |
| T S t *                              |               | { BAKER, Sir BENJAMIN,  | 2 Queen Square Place, S.W. (Oligist,<br>London. Westminster 33.)    |
|                                      | 1867 Dec. 3.  | { K.C.M.G., LL.D. ( <i>Edin.</i> ),                                 |   |
|                                      | 1877 May 29.  | { F.R.S. ( <i>Past - President</i> ,<br>Member of Council.) .. .. } |   |
|                                      | 1895 May 21.  | BAKER, HARRY VICTOR SAMPSON   | Irrigation Secretariat, Lahore, India                               |
|                                      | 1881 Dec. 6.  | BAKER, JOHN BECKETT .. ..   | { North Western Railway, Casilla                                    |
|                                      | 1897 Mar. 29. |   | { 106, Cordoba, Argentina.  |
|                                      | 1888 May 15.  | BAKEWELL, WILLIAM NEWTON  | 31 Herbert Road, Stockwell, S.W.                                    |
|                                      | 1877 Feb. 6.  | *BALDRY, HENRY OSBORNE ..   | 21 Queen Anne's Gate, S.W.  |
|                                      | 1886 Feb. 9.  |   |   |
|                                      | 1865 Dec. 5.  | BALDRY, JAMES DANFORD ..  | Staffa, Wolsey Road, East Molesey.                                  |
|                                      | 1875 May 4.   | BALFOUR, DAVID .. .. .  | { 3 St. Nicholas Buildings, Newcastle-                              |
|                                      | 1889 Apr. 9.  |   | { on-Tyne. (Balfour, Myre Hall,                                     |
|                                      | 1874 Mar. 3.  | BALLARD, ROBERT .. ..   | Houghton-le-Spring.)  |
|                                      | 1877 Nov. 27. |   | Menzies, Western Australia.   |
|                                      | 1875 May 4.   | BANCROFT, HENRY .. ..   | 88 Mosley Street, Manchester.                                       |
|                                      | 1878 Dec. 3.  |   |   |
|                                      | 1893 May 2.   | BARBER, JAMES PATTEN ..   | Vestry Hall, Islington, N.  |
|                                      | 1894 Oct. 16. |   |   |
|                                      | 1895 Dec. 3.  | BARDSLEY, GEORGE ROBERT ..  | 23 John Dalton Street, Manchester.                                  |
|                                      | 1885 Dec. 1.  | BARFIELD, SAMUEL GEORGE   | Ferro Carril Costa Rica, San José,<br>Costa Rica.                   |
|                                      | 1894 Nov. 6.  | HERBERT, D.Sc. ( <i>Lond.</i> ) ..                                  |   |
|                                      | 1873 Mar. 4.  | BARKER, JOHN .. .. .  | 20 Oppidans Rd., Primrose Hill, N.W.                                |
|                                      | 1877 Nov. 27. |   |   |
|                                      | 1881 Feb. 1.  | BARKER, JOHN .. .. .  | { Ellenbank, Leigham Court Road,                                    |
|                                      | 1889 Mar. 19. |   | { Streatham Hill, S.W.  |
|                                      | 1889 May 7.   | BARKER, ROBERT .. .. .  | L. C. & D. Ry., Victoria, S.W.                                      |
| *                                    | 1872 Dec. 3.  | *BARLOW, CRAWFORD,  | { Deene, Tooting Bec Road, Streat-                                  |
|                                      | 1879 Dec. 23. | B.A. ( <i>Cantab.</i> ) .. .. .                                     | ham, S.W.   |
|                                      | 1880 May 4.   |   | { Gouthwaite Hall, Pateley Bridge,                                  |
|                                      | 1893 Dec. 12. | BARLOW, EDWIN SYDNEY ..   | via Leeds.  |
| T *                                  | 1845 Apr. 1.  | { BARLOW, WILLIAM HENRY,  | High Combe, Old Charlton, S.E.                                      |
|                                      |               | { F.R.S. ( <i>Past-President</i> ).                                 |   |
| W S t *                              | 1881 May 3.   | *BARNABY, SYDNEY WALKER ..  | The Hollies, Chiswick Mall, W.                                      |
|                                      | 1888 Mar. 6.  |   |   |
|                                      | 1886 Apr. 6.  | BARNES, JOHN FREDERICK  | Engineer, P.W.D., Natal.  |
|                                      | 1889 Nov. 5.  | EVELYN .. .. .  |   |
|                                      | 1865 Feb. 7.  | BARNES, JOHN HICKMAN ..   | 30 Great George Street, S.W.  |
|                                      | 1877 May 29.  |   |   |
|                                      | 1897 Jan. 12. | BARNETT, MICHAEL RATCLIFFE  | Ashfield, Pateley Bridge, Yorks.                                    |
|                                      | 1879 Dec. 2.  | BARNETT, PATRICK MOIR ..  | Berryden House, Aberdeen.   |
|                                      | 1890 Apr. 1.  | { BARR, Professor ARCHIBALD,  | University, Glasgow.  |
|                                      |               | { D.Sc. ( <i>Glas.</i> ) .. .. .                                    |   |
| t *                                  | 1882 Feb. 7.  | BARR, GEORGE MORRISON ..  | Dunedin, Otago, N.Z.  |
|                                      | 1874 Apr. 14. |   |   |
|                                      | 1881 May 3.   | BARR, JAMES .. .. .   | 221 West George Street, Glasgow.                                    |
|                                      | 1882 Feb. 7.  | BARR, THOMAS MORRISON ..  | Caledonian Ry., Perth.  |
|                                      | 1877 Apr. 10. | BARRASS, SAMUEL .. .. .   | Ellesmere, Hayne Rd., Beckenham.                                    |
|                                      | 1879 Dec. 2.  | { BARRETO, ANTONIO PAULO DE   | Donna Luiza 17, Rio de Janeiro.                                     |
|                                      |               | { MELLO .. .. .   |   |
|                                      | 1883 Jan. 9.  | *BARRINGTON, WILLIAM ..   | 10 George Street, Limerick.   |
|                                      | 1891 Feb. 3.  |   |   |
| t *                                  | 1868 Apr. 7.  | BARRON, FREDERICK CADOGAN   | 9 St. Mildred's Court, Poultry, E.C.                                |
|                                      | 1878 Feb. 19. |   |   |
| t *                                  | 1878 Feb. 5.  | BARRON, JAMES .. .. .   | 1 Bon-Accord Street, Aberdeen.                                      |
|                                      | 1883 May 29.  |   |   |
|                                      | 1887 Apr. 5.  | *BARROW, WALTER DUNCAN ..   | Burma Rys. Co., Rangoon, Burma.                                     |
|                                      | 1897 Nov. 30. |   |   |
|                                      | 1887 May 24.  | BARRY, ARTHUR JOHN .. ..  | { 21 Delahay Street, Westminster,<br>S.W. (Consilium, London. West- |
|                                      | 1893 May 16.  |   |   |

| Date of Election<br>and of Transfer. |                 | MEMBERS.   |   |
|--------------------------------------|-----------------|--|---|
| T t ✠                                | 1868 Feb. 4.    | { BARRY, Sir JOHN WOLFE,<br>K.C.B., LL.D. (Glas.), F.R.S.<br>(Past-President. Member of<br>Council.) | { 21 Delahay Street, Westminster,<br>S.W. (Consilium, London. West-<br>minster 24.) |
|                                      | 1858 Feb. 2.    | BARTHOLOMEW, WILLIAM HAMOND  | Aire and Calder Office, Leeds.  |
|                                      | 1882 May 23.    | BARTLETT, JAMES HERBERT ..   | Middlesborough, Kentucky, U.S.  |
|                                      | 1893 Nov. 14.   |  |   |
|                                      | 1884 Jan. 8.    |  |   |
|                                      | 1894 Apr. 3.    | BARTLETT, THOMAS WALTER  | { H. S. King & Co., 45 Pall Mall,<br>S.W.   |
|                                      | 1881 Feb. 1.    | BARTON, EDWARD GOLDING ..  | P.W.D., Darbhanga, Bengal.  |
|                                      | 1884 Mar. 4.    |  |   |
| T ✠                                  | 1853 Mar. 1.    | { BARTON, JAMES, B.A. (Dabl.)<br>(Member of Council.)  | Dundalk. (Barton, Dundalk.)   |
|                                      | 1881 Feb. 1.    | *BARTON, JOHN GEORGE .. ..   | Valuation Office, Dublin.   |
|                                      | 1868 Apr. 7.    | BARTON, WATHEW CLARENCE  | 46 Park Crescent, Brighton.   |
|                                      | 1883 Feb. 6.    | BASSETT, ALEXANDER BARKER  | Cheverell, Landaff.   |
|                                      | 1895 Apr. 2.    |  |   |
|                                      | 1888 Dec. 4.    | BATES, ONWARD .. ..  | { Milwaukee & St. Paul Ry., 1100 Old<br>Colony Buildings, Chicago, U.S.A.           |
|                                      | 1895 Oct. 22.   |  |   |
|                                      | 1878 Dec. 3.    | BAXTER, WILLIAM .. ..  | Ashburton, Canterbury, N.Z.   |
|                                      | 1885 Mar. 3.    | *BAYER, CHARLES ALBERT   | { Engineer-in-Chief's Office, Adelaide,<br>South Australia.                         |
|                                      | 1894 May 8.     |  |   |
|                                      | 1875 Feb. 2.    | BAYLEY, KENNETT .. ..  | Gt. Southern & Wn. Ry., Dublin.   |
|                                      | 1888 May 1.     | BAYLEY, RICHARD DANSEY ..  | Chelsea House, Wells Road, Bath.  |
|                                      | 1895 May 21.    | BAYLISS, RAWLINSON TENNANT   | 11 Cornhill, E.C. (Sorrowful, London.)  |
|                                      | 1874 Dec. 1.    | BAYNES, DONALD STUART ..   | The Grange, Southbourne, Hants.   |
|                                      | 1882 Jan. 31.   |  |   |
| m m ✠                                | { 1874 Jan. 13. | *BAZALGETTE, EDWARD .. ..  | { Cherney, Arthur Road, Wimbledon<br>Park.  |
|                                      | { 1879 Apr. 8.  |  |   |
| t ✠                                  | { 1885 May 19.  | { *BEARE, Professor THOMAS<br>HUDSON, B.A. (Adelaide),<br>B.Sc. (Lond.), F.R.S.E.                    | University College, Gower Street,<br>W.C.   |
|                                      | { 1893 Feb. 7.  |  |   |
| W t ✠                                | { 1875 Mar. 2.  | BEAUMONT, WILLIAM WORBY  | { 22 Outer Temple, 222 Strand, W.C.<br>(Vibromotor, London.)                        |
|                                      | { 1886 Feb. 16. |  |   |
| T t ✠                                | 1860 Dec. 4.    | BEAZELEY, ALEXANDER .. ..  | Croftside, Stanley Rd., Herne Bay.  |
|                                      | 1889 May 21.    | BECKETT, WILLIAM THOMAS  | W. Watson & Co., Bombay.  |
|                                      | 1895 Nov. 26.   |  |   |
|                                      | 1884 May 27.    | BEDSON, JOSEPH PHILLIPS ..   | Parkhurst, Middlesbrough.   |
|                                      | 1897 Mar. 15.   |  |   |
|                                      | 1884 Apr. 1.    | BEESLEY, FREDERICK .. ..   | 11 Victoria Street, S.W.  |
|                                      | 1881 Dec. 6.    | *BELL, ARTHUR WILBRAHAM  | P.W.D., Perth, Western Australia.   |
|                                      | 1890 May 20.    |  |   |
|                                      | 1867 Apr. 2.    | BELL, CHARLES NAPIER .. ..   | G.P.O., Wellington, N.Z.  |
| ✠                                    | { 1866 Feb. 6.  | BELL, HENRY PURDON .. ..   | Victoria, British Columbia.   |
|                                      | { 1878 Dec. 3.  |  |   |
| ✠                                    | { 1867 Mar. 5.  | { BELL, HORACE (Member of<br>Council) .. ..  | { 28 Victoria Street, S.W. (Samasata,<br>London. Westminster 86.)                   |
|                                      | { 1872 Jan. 30. |  |   |
| t ✠                                  | { 1867 May 21.  | BELL, IMRIE .. ..  | 204 St. Vincent Street, Glasgow.  |
|                                      | { 1868 Apr. 21. |  |   |
| H ✠                                  | { 1867 May 21.  | BELL, Sir ISAAC LOWTHIAN,  | Rounton Grange, Northallerton.  |
|                                      | { 1873 Apr. 8.  |  |   |
|                                      | 1896 Dec. 1.    | BELL, JAMES .. ..  | North British Railway, Edinburgh.   |
| t ✠                                  | 1879 Dec. 2.    | BELL, JAMES RICHARD .. ..  | 42 Addison Road, W.   |
|                                      | 1869 May 4.     | BELL, VALENTINE GREME ..   | Director of Public Works, Jamaica.  |
|                                      | 1882 Dec. 5.    | BELL, WILLIAM REID .. ..   | { J. M. Wilson & Co., Pine Street,<br>Durban, Natal.                                |
|                                      | 1894 Jan. 30.   |  |   |
|                                      | 1885 May 5.     | BELLAMY, GEORGE DAVID ..   | 6A Courtenay Street, Plymouth.  |
|                                      | 1880 Dec. 7.    | *BELLASIS, EDWARD SKELTON  | P.W.D., Montgomery, Punjab.   |
|                                      | 1897 Nov. 30.   |  |   |
|                                      | 1873 Apr. 1.    | BELOE, CHARLES HENRY .. ..   | { 11 Livingston Drive, Sefton Park,<br>Liverpool.                                   |
|                                      | 1871 Dec. 5.    | BENEDICT, ERNEST .. ..   | 383 Mansion House Chambers, E.C.  |

| Date of Election<br>and of Transfer. |  | MEMBERS.  |
|--------------------------------------|--|---|
| 1883 May 29.                         | BENNETT, WILLIAM .. ..   | {Surrey Dock Extension, Rotherhithe,<br>S.E.                                  |
| 1893 Jan. 10.                        | BENTON, JOHN, F.C.H. .. ..                                       | {H. S. King & Co., 45 Pall Mall, S.W.   |
| 1884 Dec. 2.                         | {BERESFORD, JOHN STUART,<br>M.E. ( <i>Queen's</i> ) .. ..        | {Lahore, Punjab.  |
| 1880 Mar. 2.}                        | BERKLEY, GEORGE .. ..  | {39 Victoria Street, S.W. (Breastrope,<br>London.)                            |
| 1891 Mar. 17.}                       | BERKLEY, JAMES EUSTACE ..  | {George Berkley & Co., 13 Sirdar's<br>Palace, Apollo Street, Bombay.          |
| 1877 Apr. 10.}                       | BERNAYS, JOSEPH .. ..  | {96 Newgate Street, E.C. (Anybers,<br>London.)                                |
| 1884 Apr. 1.}                        | *BERRELL, WILLIAM .. ..  | {Thames Conservancy, Victoria Em-<br>bankment, E.C.                           |
| 1887 Feb. 22.}                       | {BERRIER-FONTAINE, JEAN-BAP-<br>TISTE LOUIS FÉLIX MARC ..        | {Directeur de l'Etablissement National<br>d'Indret, Loire Inférieure, France. |
| 1885 May 19.                         | BERTODANO, CHARLES EDMUND DE                                     | {47 Victoria Street, S.W. (Euripides,<br>London.)                             |
| 1879 Feb. 4.}                        | *BEST, CHARLES WILLIAM   | {47 Victoria Street, S.W. (Nomizo,<br>London. Westminster 95.                 |
| 1892 Nov. 22.}                       | *BEWICK, THOMAS BURRELL ..                                       | {Broad Street House, E.C. (Bewick,<br>London. Avenue 630.                     |
| 1882 May 2.}                         | BEZZI, <i>Chef</i> . TOMASO GAUDENZIO                            | {Ypiranga Works, São Paulo, Brazil.   |
| 1894 May 22.}                        | BIDDELL, GEORGE ARTHUR ..  | {Bishop's Hill, Ipswich.  |
| 1882 Feb. 7.}                        | BIDDER, BARTHOLOMEW PARKER                                       | {Everett & Co., 51 Fetter Lane, E.C.  |
| 1896 Dec. 22.}                       | BILES, JOHN HARVARD .. ..  | {Hazeleigh, Woolstone, Hants.   |
| 1882 Feb. 7.}                        | BINNIE, <i>Sir</i> ALEXANDER                                     | {77 Ladbroke Grove, W.  |
| 1849 Mar. 6.}                        | *BIRCH, RICHARDSON ( <i>Member of</i><br><i>Council.</i> ) .. .. | {77 Ladbroke Grove, W.  |
| 1877 Apr. 17.}                       | BIRKBECK, MORRIS .. ..   | {Dippenhall Cottage, Farnham,<br>Surrey.                                      |
| 1878 Mar. 5.}                        | BIRKINSHAW, ARTHUR HENRY   | {H. S. King & Co., 45 Pall Mall,<br>S.W.                                      |
| ✠ 1897 Apr. 6.}                      | BISSET, JAMES .. ..  | {Claremont, Cape Town, C.C.   |
| {1865 Feb. 7.}                       | BLABER, CHARLES OLIVER ..  | {64 Ship Street, Brighton. (Survey,<br>Brighton. 2.)                          |
| ✠ {1873 May 20.}                     | BLACKBURN, ALEXANDER BE-<br>WICKE .. ..                          | {Electric Construction Co., Wolver-<br>hampton.                               |
| 1885 May 19.                         | *BLAIR, WILLIAM NISBET ..  | {Vestry Hall, St. Pancras Road, N.W.  |
| 1882 Apr. 4.}                        | BLAKE, HENRY WOLLASTON,  | {8 Devonshire Place, Portland Place,<br>W.                                    |
| 1893 Nov. 7.}                        | M.A. ( <i>Cantab.</i> ), F.R.S. ..                               | {3 Eliot Hill, Lewisham, S.E.   |
| 1870 Dec. 6.}                        | BLAKESLEY, THOMAS HOLMES,  | {Free Hills, Bursledon, Southampton.  |
| 1877 Oct. 30.}                       | M.A. ( <i>Cantab.</i> ) .. ..                                    | {Moorfields, Clapham Road, Bedford.   |
| 1875 May 4.}                         | BLAKISTON, MATTHEW .. ..   | {Harbour Works, Yamba, Clarence<br>River, New South Wales.                    |
| 1898 Apr. 5.}                        | BLIGH, WILLIAM GEORGE ..   | {6 Claremont Villas, Glenageary, co.<br>[Dublin.                              |
| 1888 Jan. 10.}                       | *BLOUNT, JOHN DARELL .. ..                                       | {Mapledurham, Reading.  |
| 1892 Mar. 8.}                        | *BLYTH, BENJAMIN HALL,   | {17 Palmerston Place, Edinburgh.  |
| 1884 Feb. 5.}                        | M.A. ( <i>Edin.</i> ) .. ..                                      | {Sumner & Co., 25 de Mayo 112,<br>Buenos Aires.                               |
| 1897 Feb. 23.}                       | BLOMFIELD, HAROLD ARTHUR   | {Imperial Chambers, Hull.   |
| 1845 June 24.}                       | BOLLER, ALFRED PANCOAST,   | {27 Pine Street, New York, U.S.   |
| 1879 Jan. 14.}                       | M.A. ( <i>Penn.</i> ) .. ..                                      | {Calcutta.  |
| 1873 Mar. 4.}                        | BOLTON, ALEXANDER JOSEPH   | {S. Indian Ry., Cuddalore, Madras.  |
| 1885 Jan. 27.}                       | BOND, CHARLES JOHN .. ..   | {180 Hope Street, Glasgow.  |
| 1856 Mar. 4.}                        | BONN, CARL RODERIQUE LOUIS                                       |   |
| 1895 Dec. 3.}                        | MENNI .. ..  |   |
| ✠ {1887 Apr. 5.}                     |  |   |
| ✠ {1894 Feb. 27.}                    |  |   |
| ✠ 1878 Mar. 5.                       |  |   |
| 1863 May 5.                          |  |   |
| ✠ 1877 Feb. 6.                       |  |   |
| 1874 May 12.                         |  |   |
| 1866 Apr. 10.}                       |  |   |
| 1877 Nov. 13.}                       |  |   |
| 1891 Feb. 3.}                        |  |   |
| ✠ 1887 Feb. 1.                       |  |   |
| 1884 Dec. 2.                         |  |   |
| 1884 Feb. 5.}                        |  |   |
| 1896 Nov. 16.}                       |  |   |



| Date of Election<br>and of Transfer. |   | MEMBERS.  |       |
|--------------------------------------|---|---|-------|
| ✠ {1876 May 2.<br>1878 Dec. 31.}     | BOOTH, ROBERT BELL .. ..  | Rajkote, Kathiawar, India.  |       |
| 1878 May 7.                          | BOSTOCK, JOHN HENRY .. ..   | Harbour Works, Colombo, Ceylon.                                       |       |
| {1879 Feb. 4.<br>1892 Nov. 1.}       | {BOSWELL, ST. GEORGE JAMES,<br>B.Sc. (McGill) .. .. }   | Harbour Works, Quebec, Canada.  |       |
| 1880 Feb. 3.                         | BOTHAMS, JOHN CHAMPNEY ..   | Salisbury.  |       |
| 1877 Feb. 6.                         | BOTLEY, CHARLES EDWARD ..   | Gasworks, Hastings.   |       |
| 1897 Mar. 2.                         |   |   |       |
| 1890 Dec. 2.                         | BOUCHER, ARTHUR SACKVILLE   | Kempsey, near Worcester.  |       |
| 1895 Oct. 22.                        |   |   |       |
| ✠ {1874 Feb. 3.<br>1878 Apr. 16.}    | BOULNOIS, HENRY PERCY ..  | {44 Campden House Court, Ken-<br>sington, W.                          |       |
| 1886 Jan. 12.                        | *BOURKE, WALTER LONGLEY ..  | The Old Hall, Worsley, Manchester.                                    |       |
| 1896 May 19.                         |   |   |       |
| 1880 Dec. 7.                         | {BOUSCAREN, LOUIS FREDERICK<br>GUSTAVE .. .. }  | City Hall, Cincinnati, U.S.   |       |
| ✠ {1876 Dec. 5.<br>1886 May 18.}     | {*BOVEY, HENRY TAYLOR,<br>M.A., LL.D. (Cantab.) .. }  | McGill University, Montreal, Canada.                                  |       |
| 1876 Apr. 4.                         | BOWSTEAD, CHARLES JAMES ..  | Hyde Grange, Chalford, Glos.  |       |
| 1881 Feb. 22.                        |   |   |       |
| 1882 Apr. 4.                         | *BOYCE, HENRY GEORGE, F.C.H.  | {H. S. King & Co., 45 Pall Mall,<br>S.W.                              |       |
| 1894 Oct. 30.                        |   |   |       |
| 1881 Dec. 6.                         | BOYD, ROBERT NELSON .. ..   |   |       |
| ✠ {1854 Jan. 10.<br>1860 Feb. 14.}   | BOYLE, RICHARD VICARS, C.S.I.   | Grindlay & Co., Parliament St., S.W.                                  |       |
| 1884 Dec. 2.                         | *BOYNTON, FRANCIS, <i>Captain</i>   |   |       |
| 1893 May 16.                         | {3rd <i>Militia Batt. West</i><br><i>Yorks. Regt.</i> .. .. }   | Cyclops Works, Sheffield.   |       |
| ✠ {1883 May 29.<br>1895 Jan. 29.}    | BRADY, ALFRED BARTON ..   | {D.P.W., Bridges Dept., Brisbane,<br>Queensland.                      |       |
| 1868 May 5.                          | BRADY, FRANCIS .. ..  | {S. E. Ry., 22 Abingdon St., West-<br>minster, S.W.                   |       |
| ✠ {1875 Dec. 7.<br>1878 Dec. 3.}     | BRADY, JOSEPH .. ..   | {367 Collins St., Melbourne, Vic-<br>toria. [chester.                 |       |
| 1877 May 1.                          | BRAMALL, HENRY .. ..  | Pendlebury Collieries, near Man-                                      |       |
| L ✠ {1856 May 6.<br>1862 Mar. 4.}    | {BRAMWELL, Sir FREDERICK<br>JOSEPH, Bart., D.C.L. (Oxon.<br>and Durham), LL.D. (Cantab.),<br>F.R.S. (Past-President.<br>Member of Council). | 5 Great George Street, S.W. (Well-<br>bram, London. Westminster 60.)  |       |
| 1897 Apr. 6.                         | *BRAND, ALLEN MASON .. ..   | G. I. P. Ry., Jubbulpore, India.                                      |       |
| 1891 Feb. 3.                         | BREBNER, ALEXANDER .. ..  | Lagos, West Africa.   |       |
| 1891 Dec. 1.                         | BRERETON, ALFRED .. ..  | W. Watson & Co., Bombay.  |       |
| 1880 Feb. 3.                         | BRERETON, CUTHBERT ARTHUR   | {21 Delahay St., Westminster, S.W.<br>(Consilium, London. Westminster | [24.] |
| 1865 Jan. 10.                        | BRERETON, ROBERT MAITLAND   | Forest Grove, Oregon, U.S.  |       |
| 1878 Mar. 5.                         | BRETLAND, JOSIAH CORBETT ..   | City Surveyor, Belfast.   |       |
| 1885 Feb. 3.                         |   |   |       |
| 1865 Dec. 5.                         | BRIERLEY, JOSEPH .. ..  | Blackburn.  |       |
| 1872 Feb. 13.                        |   |   |       |
| 1881 Mar. 1.                         | *BRIGGS, JAMES .. ..  | Midland Railway, Derby.   |       |
| 1891 Apr. 21.                        |   |   |       |
| 1881 Dec. 6.                         | BRIGGS, JOHN HENRY .. ..  | Babcock & Wilcox, Renfrew.  |       |
| 1893 Nov. 7.                         |   |   |       |
| 1896 May 5.                          | BRIGGS, ROSWELL EMMONS ..   | Apartado 561, Mexico.   |       |
| ✠ {1889 Dec. 3.<br>1896 Nov. 24.}    | {*BRIGHTMORE, ARTHUR WILLIAM,<br>D.Sc. (Victoria) .. .. }   | Knighton, Rads.   |       |
| 1874 Mar. 3.                         | BRIND, ALFRED WALTER ..   | Normanhurst, Ealing, W.   |       |
| ✠ {1874 May 5.<br>1886 Mar. 1.}      | {BRITTLE, JOHN RICHARD,<br>F.R.S.E. .. .. }   | Farad Villa, Vanbrugh Hill, Black-<br>heath, S.E. [Ipswich.           |       |
| 1868 Dec. 1.                         | BROADRICK, GEORGE, F.R.S.E.   | Broughton House, Broughton Road,                                      |       |
| 1865 Feb. 7.                         |   |   |       |
| 1877 Mar. 13.                        | BROCK, WALTER .. ..   | Messrs. Denny Brothers, Dumbarton.                                    |       |

| Date of Election<br>and of Transfer. |   | MEMBERS.                    |   |
|--------------------------------------|---|-----------------------------|---|
| 1890 Jan. 14.                        | } | BRODIE, JOHN ALEXANDER ..   | City Engineer, Liverpool.   |
| 1897 Dec. 7.                         |   |                             |   |
| 1893 Dec. 5.                         | } | BROË, VICTOR EDGAR DE       | N.W. Ry., Karachi, India.   |
| 1896 Nov. 24.                        |   | BIRCHIN DE .. .. .          |   |
| 1871 May 23.                         |   |                             |   |
| 1889 Nov. 26.                        |   | BROMLEY, WALTER BRANDRETH   | 29 Augusta Gardens, Folkestone.   |
| 1883 Jan. 9.                         | } | *BROOKHOUSE, ROBERT HAROLD  | { Casilla de Correo, 1318, Buenos<br>Aires.   |
| 1889 Nov. 15.                        |   |                             |   |
| 1877 Dec. 4.                         |   | BROOM, GEORGE JAMES COTTOM  | Boro' Engineer, St. Helen's, Lancs.   |
| 1892 Nov. 15.                        |   |                             |   |
| 1868 May 5.                          | } | BROTHERHOOD, PETER .. ..    | { Belvedere Road, Lambeth, S.E.<br>(Brotherhood, London.)                           |
| 1879 Feb. 4.                         |   |                             |   |
| 1870 Mar. 1.                         |   | BROTHERS, HORATIO .. ..     | The Elms, Putney Hill, S.W.   |
| 1876 Jan. 11.                        | } | *BROUNGER, RICHARD ERNEST.. | { Director General of Rys., Bloem-<br>fontein, Orange Free State.                   |
| 1885 May 12.                         |   |                             |   |
| T t ✚ { 1847 May 4.                  |   | BROUNGER, WILLIAM GEORGE    | Pulteney, Austin Road, Guildford.   |
| ✚ { 1864 Nov. 29.                    |   |                             |   |
| ✚ { 1890 Feb. 4.                     |   | BROWN, ANDREW .. .. .       | Wm. Simons & Co., Renfrew.  |
| 1881 May 31.                         |   | BROWN, ARTHUR .. .. .       | Guildhall, Nottingham.  |
| 1885 Nov. 10.                        |   |                             |   |
| 1883 Dec. 4.                         | } | BROWN, ARTHUR CARDWELL..    | { c.o. G. W. Brown, 64 Belsize Park,<br>N.W.  |
| 1894 Jan. 23.                        |   |                             |   |
| 1886 Feb. 2.                         |   | BROWN, ARTHUR EDWARD ..     | Govt. Rys., Colombo, Ceylon.  |
| 1893 Dec. 5.                         |   |                             |   |
| 1882 Dec. 5.                         | } | *BROWN, GEORGE CECIL HER-   | { Broad Sanctuary Chambers, West<br>minster, S.W. (Postcard, London.)               |
| 1894 Jan. 16.                        |   | BERT .. .. .                |   |
| 1879 Dec. 2.                         | } | *BROWN, JAMES SAMUEL .. ..  | { W. Watson & Co., 7 Waterloo Place,<br>S.W.  |
| 1890 May 20.                         |   |                             |   |
| 1873 Dec. 2.                         | } | BROWN, JOHN .. .. .         | { Eng.-in-Chief, Govt. Railways, Cape<br>Town, C.C.                                 |
| 1882 Feb. 7.                         |   |                             |   |
| m { 1874 Mar. 3.                     | } | *BROWN, OSWALD .. .. .      | { 32 Victoria Street, S.W. (Acqua<br>London.)                                       |
| 1880 May 25.                         |   |                             |   |
| 1880 Apr. 6.                         |   | BROWN, PHILIP HENRY ..      | Local Fund Engineer, Coconada,<br>Madras.   |
| 1895 Mar. 26.                        |   |                             |   |
| S t ✚ { 1868 Dec. 1.                 | } | BROWN, THOMAS FORSTER       | { Guildhall Chambers, Cardiff. (Min-<br>ing, Cardiff.)                              |
| 1864 Dec. 6.                         |   | (Member of Council.)        |   |
| 1871 Mar. 7.                         | } | BROWNE, Sir BENJAMIN CHAP-  | { Hawthorn's Engine Works, New-<br>castle-on-Tyne.                                  |
| 1882 Dec. 5.                         |   | MAN, D.C.L. (Durham) ..     |   |
| ✚ { 1894 Feb. 27.                    |   | BRUCE, ALEXANDER FAIRLIE    | Waterworks Dept., Bombay.   |
| T ✚ { 1850 Apr. 2.                   | } | BRUCE, Sir GEORGE BARCLAY   | { 3 Victoria Street, S.W. (Brentesia.<br>London.)                                   |
| 1892 Dec. 6.                         |   | (Past-President.)           |   |
| T t ✚ { 1892 Dec. 6.                 |   | BRUCE, JOHN .. .. .         | Port Mulgrave, Hinderwell, Yorks.   |
| ✚ { 1876 Mar. 7.                     |   | BRUCE, WILLIAM DUFF .. ..   | 23 Roland Gardens, Kensington, S.W.   |
| ✚ { 1840 May 19.                     |   | BRUFF, PETER SCHUYLER ..    | Handford Lodge, Ipswich.  |
| ✚ { 1856 Apr. 8.                     |   |                             |   |
| 1877 Mar. 6.                         |   | BRUNEL, HENRY MARC .. ..    | { 21 Delahay Street, Westminster,<br>S.W. (Consilium, London.<br>Westminster 24.)   |
| 1875 Dec. 7.                         | } | *BRUNLEES, JOHN .. .. .     | { 12 Victoria Street, S.W. (West-<br>minster 245.)                                  |
| 1878 May 14.                         |   |                             |   |
| ✚ { 1884 May 27.                     |   | BRUNTON, DAVID WILLIAM ..   | 865 Grant Avenue, Denver, Colorado,   |
| ✚ { 1862 Dec. 2.                     |   | BRUNTON, GEORGE .. .. .     | 6 Maple Road, Anerley, S.E. [U.S.   |
| T t ✚ { 1857 Feb. 3.                 | } | BRUNTON, JOHN .. .. .       | 47 Clarendon Avenue, Leamington.  |
| ✚ { 1857 Apr. 21.                    |   |                             |   |
| t ✚ { 1868 Apr. 7.                   |   | BRUNTON, RICHARD HENRY ..   | 3 Gipsy Road, West Norwood, S.E.  |
| ✚ { 1873 May 13.                     |   |                             |   |
| ✚ { 1875 Mar. 2.                     | } | BRYAN, WILLIAM BOOTH ..     | { East London Waterworks, Lea<br>Bridge, N.E. (Engineer, Water-<br>works, Clapton.) |
| ✚ { 1879 Mar. 4.                     |   |                             |   |
| 1878 Feb. 5.                         |   | BUCHANAN, ALEXANDER.. ..    | Messrs. Handyside & Co., Derby.   |
| 1870 May 24.                         |   | BUCHANAN, GEORGE .. .. .    | { 2 Palmerston Mansions, Queen's<br>Club Gardens, Kensington, W.                    |

| Date of Election<br>and of Transfer. |                 | MEMBERS.                     |  |
|--------------------------------------|-----------------|------------------------------|--|
|                                      | 1891 Jan. 13.   | BUCHANAN, WILLIAM .. ..      | Grand Central Station, New York, [U.S.]                      |
|                                      | 1871 Apr. 4.}   | BUCKHAM, EDWARD .. ..        | Town Hall, Ipswich.  |
|                                      | 1887 Jan. 25.}  |                              |  |
| †                                    | {1873 Dec. 2.}  | BUCKLEY ROBERT BURTON ..     | Bengal Secretariat, Calcutta.                                |
|                                      | {1880 Nov. 2.}  |                              |  |
|                                      | 1879 Apr. 1.    | BUDGE, ENRIQUE .. ..         | Valparaiso, Chili. [Argentina.]                              |
|                                      | 1888 Dec. 4.    | BUDGE, OLIVER .. ..          | East Argentine Ry., Concordia.                               |
|                                      | 1873 May 6.}    | BULKLEY, THOMAS ALFRED ..    | Sutton Scotney, Hants. [tenham.]                             |
|                                      | 1879 Nov. 4.}   |                              |  |
|                                      | 1881 May 31.    | BULL, CHARLES ALBERT ..      | Firleigh, St. George's Road, Chel-                           |
|                                      | 1875 Dec. 7.}   | BULMER, PHILIP .. ..         | 37 The Avenue, Sunderland.                                   |
|                                      | 1889 Apr. 16.}  |                              |  |
|                                      | 1886 Apr. 6.}   | BURCH, WILLIAM .. ..         | Engineer's Dept., Guildhall, E.C.                            |
|                                      | 1894 Nov. 27.}  |                              |  |
| T t                                  | {1866 Mar. 6.}  | BURGE, CHARLES ORMSBY ..     | { Railway Construction Branch.<br>P.W.D., Sydney, N.S.W.     |
|                                      | {1878 Apr. 9.}  |                              |  |
|                                      | 1888 May 15.}   | BURGH, ERNEST MACARTNEY DE   | { Roads and Bridges Dept., Sydney,<br>N.S.W.                 |
|                                      | 1894 Nov. 20.}  |                              |  |
| †                                    | {1871 May 23.}  | *BURKE, CHARLES TOLER ..     | Public Works Secretariat, Bombay.                            |
|                                      | {1883 May 1.}   |                              |  |
|                                      | 1872 Dec. 3.}   | BURKE, GEORGE JOHN .. ..     | { Ludstone Chambers, Collins Street.<br>Melbourne, Victoria. |
|                                      | 1883 Mar. 20.}  |                              |  |
|                                      | 1887 Dec. 6.    | BURKE, JAMES MARLOW .. ..    | G. S. & W. Ry., Inchicore, Dublin.                           |
|                                      | 1886 Dec. 7.}   | BURNETT, JAMES .. ..         | Ry. Dept., Christchurch, N.Z.                                |
|                                      | 1896 Feb. 25.}  |                              |  |
|                                      | 1866 Feb. 6.}   | BURNETT, ROBERT HARVEY ..    | Gorton Foundry, Manchester.                                  |
|                                      | 1871 May 2.}    |                              |  |
|                                      | 1884 Feb. 5.}   | BURR, WILLIAM HENRY ..       | { El Rancho, F.C. del Norte, Guate-<br>mala.                 |
|                                      | 1889 Mar. 12.}  |                              |  |
| †                                    | 1893 Dec. 5.    | BURR, WILLIAM HUBERT ..      | Columbia College, New York, U.S.                             |
|                                      | 1876 May 2.}    | *BURSTAL, EDWARD KYNASTON    | { 38 Parliament Street, S.W. (Holo-<br>meter, London.)       |
|                                      | 1881 Jan. 11.}  |                              |  |
|                                      | 1888 Dec. 4.}   | *BURSTALL, HENRY ROBERT      | 14 Old Queen St., Westminster, S.W.                          |
|                                      | 1897 Mar. 2.}   |                              |  |
|                                      | 1887 Apr. 5.}   | *BURY, OLIVER ROBERT HAWKE   | { F. C. de Entre Rios, Paraná,<br>Argentina.                 |
|                                      | 1894 Feb. 27.}  |                              |  |
|                                      | 1874 May 12.    | BUSH, GEORGE .. ..           | 34 Cleveland Square, Hyde Park, W.                           |
|                                      | 1891 Dec. 1.    | BUTCHER, LOUIS HOLT .. ..    | Ahmednagar, Bombay.  |
| †                                    | {1885 Apr. 14.} | BUTLER, MATTHEW JOSEPH ..    | { Bay of Quinte Ry., Napanee, Ont.,<br>Canada.               |
|                                      | {1893 Nov. 7.}  |                              |  |
|                                      | 1854 Mar. 7.    | BUTLER, RICHARD .. ..        | Ballycarron, Golden, Cashel, Ireland.                        |
|                                      | 1875 Dec. 7.    | BUTLER, WALTER .. ..         | Witham, Essex.   |
| m                                    | † 1881 Apr. 5.  | BUTTER, HENRY JOSEPH ..      | Claremont, Burrage Rd., Plumstead.                           |
|                                      | 1885 Apr. 14.}  | BUTTERTON, WILLIAM .. ..     | Durban Club, Durban, Natal.                                  |
|                                      | 1888 Dec. 11.}  |                              |  |
|                                      | 1888 Dec. 4.}   | BUTTON, FRED SMITH .. ..     | Blannel Street, Burnley.                                     |
|                                      | 1895 Jan. 8.}   |                              |  |
|                                      | 1888 Dec. 4.    | BUYERS, WILLIAM LIND .. ..   | Osborne House, Watts Rd., Tavistock.                         |
|                                      | 1892 Apr. 5.    | CAMARA, ANTONIO DE LA ..     | { Govt. Engineer for Rys., Manila,<br>Philippine Islands.    |
|                                      | 1881 Dec. 6.    | CAMERON, EDWARD ALEXANDER    | The Towers, College Road, Buxton.                            |
|                                      | 1879 May 27.    | { CAMPBELL, DAVID WILKINSON, | 52 Clapham Road, Bedford.                                    |
|                                      | 1868 Dec. 1.}   | C.I.E. .. ..                 |  |
|                                      | 1889 Apr. 30.   | CAMPBELL, THOMAS PROCTER     | E. I. Ry., Umballa, Punjab.                                  |
|                                      | 1872 Dec. 3.}   | *CAMPION, JOHN MONTRIOU ..   | P.W.D., Umballa, Punjab.                                     |
|                                      | 1885 Feb. 24.}  |                              |  |
|                                      | 1876 Feb. 1.    | CANNING, Sir SAMUEL .. ..    | 3 Gt. Winchester St. Buildings, E.C.                         |
|                                      | 1879 Feb. 4.}   | *CANTOPHER, BERNARD WILLIAM  | { W. Watson & Co., 7 Waterloo Place,<br>S.W.                 |
|                                      | 1889 Nov. 15.}  |                              |  |

Date of Election  
and of Transfer.

## MEMBERS.

|     |                 |                               |  |
|-----|-----------------|-------------------------------|--|
|     | 1863 Dec. 1.    | { CARBUTT, Sir EDWARD HAMER,  | 19 Hyde Park Gardens, W.               |
|     | 1888 Apr. 17.   | { Bart. .. .. . }             |  |
|     | 1886 Feb. 2.    | CARDEW, CORNELIUS EDWARD      | Burma Rys. Co., Insein, Burma.         |
|     | 1896 Mar. 31.   |                               |  |
| †   | { 1877 Dec. 4.  | * CAREY, ALFRED EDWARD ..     | { 39 Trinity Square, E.C. (Foresshore, |
|     | { 1884 Dec. 23. |                               | { London.)                             |
|     | 1870 Apr. 5.    | CARGILL, THOMAS, B.A. (Dubl.) | { E. E. Brook, 4 King's Bench Walk,    |
|     | 1877 Nov. 27.   |                               | { Temple, E.C.                         |
|     | 1878 May 7.     | * CARLESS, GEORGE PROCTER ..  | { c.o. Parry & Co., 70 Gracechurch     |
|     | 1896 Dec. 22.   |                               | { Street, E.C.                         |
|     | 1886 May 18.    | CARLETON, HENRY RICHARD,      | { Harbours & Rivers Dept., Sydney,     |
|     | 1891 Jan. 6.    | { M.A.I. (Dubl.) .. .. . }    | { N.S.W.                               |
|     | 1866 Mar. 6.    | CARLILE, HUGH .. .. . }       | { 6 Kandauerstrasse, Riga.             |
|     | 1883 Dec. 4.    | CAROLIN, EDWARD RICHARD ..    | { District Engineer, Govt. Railways,   |
|     | 1888 Feb. 14.   |                               | { Cape Town, C.C.                      |
|     | 1886 Apr. 6.    | CARPENTER, CHARLES CLAUDE     | { South Metropolitan Gasworks, Vaux-   |
|     | 1896 Mar. 17.   |                               | { hall, S.W.                           |
|     | 1875 May 4.     | CARR, MARK WILLIAM .. ..      | { Natal Govt. Agency, 26 Victoria      |
|     | 1884 Mar. 4.    |                               | { Street, S.W.                         |
| t † | { 1875 Dec. 7.  | CARRINGTON, WILLIAM THOMAS    | { 72 Mark Lane, E.C.                   |
|     | { 1881 Nov. 29. | { HENNEY .. .. . }            |  |
|     | 1869 May 11.    | CARROLL, EDWARD BROTHERTON    | Oriental Club, Hanover Square, W.      |
|     | 1877 Jan. 23.   |                               |  |
| †   | { 1866 Jan. 9.  | CARRUTHERS, JOHN .. .. . }    | { 13 Victoria Street, S.W.             |
|     | { 1871 May 16.  |                               |  |
|     | 1896 Dec. 1.    | CARSON, HOWARD ADAMS ..       | Malden, nr. Boston, Mass., U.S.        |
| t † | 1876 Dec. 5.    | CARSON, WILLIAM .. .. . }     | { Bryn Estyn, Chester.                 |
|     | 1880 Jan. 13.   | CARTER, HENRY ROBERT PASLEY   | 20 Priory Road, Bedford Park, W.       |
|     | 1876 Feb. 1.    |                               |  |
|     | 1887 Jan. 25.   | CARTER, WILLIAM ALLAN ..      | 5 St. Andrew Square, Edinburgh.        |
|     | 1878 Feb. 5.    |                               |  |
|     | 1884 Mar. 18.   | CARTWRIGHT, GEORGE .. ..      | Great Central Ry., Grimsby Docks.      |
|     | 1875 Dec. 7.    |                               |  |
|     | 1885 Jan. 20.   | CARTWRIGHT, JOSHUA .. ..      | Borough Surveyor, Bury, Lancs.         |
| m   | { 1884 Feb. 5.  | * CASE, ALBERT HAVELOCK ..    | { Dock & Rys., Port Talbot, S. Wales.  |
|     | { 1893 Dec. 5.  |                               |  |
| †   | { 1872 Apr. 9.  | * CASH, JOSEPH .. .. . }      | { Gas Co., Hove, Brighton.             |
|     | { 1891 Apr. 7.  |                               |  |
|     | 1868 Dec. 1.    | CATO, ALEXANDER .. .. . }     | { St. Macaire, Gironde, France.        |
|     | 1879 Mar. 4.    | CAULFELD, FRANCIS JOHN        | Borlases, Twyford, Berks.              |
|     | 1887 May 24.    | { ROTHE TOBY ST. GEORGE .. }  |  |
| †   | { 1864 Mar. 1.  | CAY, WILLIAM DYCE, F.R.S.E.   | { 107A Princes Street, Edinburgh.      |
|     | { 1872 Apr. 16. |                               |  |
|     | 1882 Dec. 5.    | CHABELL, MARCELIN JOHN,       | { Wellington Road, St. Peter's, Ade-   |
|     | 1890 Nov. 25.   | { B.E. (Queen's) .. .. . }    | { laide, S. Australia.                 |
|     | 1878 May 7.     | CHADWICK, GEORGE BURTON ..    | { c.o. London and County Bank,         |
|     | 1884 Nov. 4.    |                               | { Brighton.                            |
|     | 1872 Jan. 9.    | CHADWICK, OSBERT, C.M.G. ..   | { 7 Carteret Street, Westminster,      |
|     | 1897 Nov. 30.   |                               | { S.W.                                 |
|     | 1883 Jan. 9.    | CHAMBERS, JOHN .. .. . }      | { 9 Souchon Road, Shanghai.            |
| †   | { 1879 Dec. 2.  | CHAMIER, GEORGE .. .. . }     | { Mercantile Bank Chambers, Mar-       |
|     | { 1884 Jan. 22. |                               | { garet Street, Sydney, N.S.W.         |
|     | 1882 May 23.    | * CHANTER, FRANCIS WILLIAM .. | { Lynton & Barnstaple Ry., Bridge      |
|     | 1893 Feb. 21.   |                               | { Chambers, Barnstaple.                |
|     | 1875 Mar. 2.    | CHAPMAN, ALFRED .. .. . }     | { Fawcett, Preston & Co., 17 York      |
|     | 1878 Jan. 15.   |                               | { Street, Liverpool.                   |
|     | 1872 Feb. 6.    | CHAPMAN, HENRY .. .. . }      | { 69 Victoria Street, S.W. (Tubalcain, |
|     | 1879 Jan. 14.   |                               | { London.)                             |
|     | 1875 Mar. 2.    | CHAPMAN, JAMES GREGSON ..     | { 25 Austinfriars, E.C. (Fawcett,      |
|     | 1878 Jan. 15.   |                               | { London.)                             |
|     | 1879 Feb. 4.    | CHAPMAN, JOSEPH CRAWHALL      | St. Mildred's, Surbiton.               |
|     | 1894 May 22.    |                               | (Mon Abri, Alington Rd., Lansdowne     |
|     | 1864 Jan. 12.   | CHAPMAN, ROBERT .. .. . }     | { Park, Bournemouth.                   |



| Date of Election<br>and of Transfer. |                                   | MEMBERS.  |  |
|--------------------------------------|-----------------------------------|---|--|
|                                      | 1885 Mar. 3.                      | CHAPMAN, THOMAS .. ..   | Commonhead, Airdrie, N.B.                                    |
|                                      | 1894 Jan. 9.                      | CHASE, LLOYD HEBER .. ..  | Ry. Dept., Melbourne, Victoria.                              |
| ✠                                    | { 1885 Feb. 3.<br>1897 Nov. 30. } | CHATHAM, WILLIAM .. ..  | P.W.D., Hong Kong.   |
|                                      | 1883 Feb. 6.                      | { CHATTERJEE, <i>Rai Bahadur</i><br>KHETTER NAUTH .. .. }                 | Gustia, <i>viâ</i> Baraset, Calcutta.                        |
| m ✠                                  | { 1879 Feb. 4.<br>1883 Nov. 27. } | *CHATTERTON, GEORGE,<br>M.A. ( <i>Dubl.</i> ) .. .. }                     | 46 Queen Anne's Gate, S.W.                                   |
|                                      | { 1886 Feb. 2.<br>1891 May 12. }  | CHEESEWRIGHT, FREDERICK<br>HENRY .. .. }                                  | 305 Camden Road, N.  |
| ✠                                    | { 1882 May 23.<br>1898 Apr. 26. } | CHENHALL, JAMES WARNE .. ..   | { Dart Villas, Totnes. (Chenhall,<br>Totnes.)                |
|                                      | 1894 Dec. 4.                      | CHESTER, WILLIAM REGINALD   | Gas Dept., 6 George St., Nottingham.                         |
|                                      | 1887 Jan. 11.                     | CHILDE, HENRY SLADE .. ..   | Wakefield. (Childe, Wakefield, 33.)                          |
|                                      | 1896 Dec. 15.                     |   |  |
|                                      | 1880 May 25.                      | CHORLTON, JOHN SAMUEL .. ..   | The Rookery, Chatburn, Clitheroe.                            |
|                                      | 1847 Mar. 2.                      | CHRISTY, FREDERICK COLLIER  | { St. Cyr, William St., South Yarra,<br>Melbourne, Victoria. |
|                                      | 1873 Dec. 23.                     | { CHROCKATT DE SA PEREIRA DE<br>CASTRO, João .. .. }                      | 56 Rua do Cosme Velho, Rio de Janeiro.                       |
|                                      | 1894 Dec. 4.                      |   |  |
|                                      | 1896 May 19.                      | CHUBB, THOMAS LYON .. ..  | Western Railway, Buenos Aires.                               |
|                                      | 1875 Feb. 2.                      | CHURCH, RICHARD FREDERICK   | { 20 Victoria Street, S.W. (West-<br>minster, 252.)          |
|                                      | 1878 Jan. 15.                     | *CHURCHWARD, GEORGE DUNDAS  | Imperial Rys., Tientsin, China.                              |
|                                      | 1897 Apr. 6.                      |   |  |
|                                      | 1884 Feb. 5.                      | CISNEROS, FRANCISCO JAVIER  | { 39 Coleman Street, E.C. (Cisneros,<br>London.)             |
|                                      | 1895 Dec. 3.                      | CLARK, EDWIN KITSON,  | { Airedale Foundry, Leeds.                                   |
|                                      | 1897 Dec. 7.                      | M.A. ( <i>Cantab.</i> ) .. ..   |  |
|                                      | 1858 Apr. 13.                     | CLARK, JOSIAH LATIMER, F.R.S.   | { 11 Victoria Street, S.W. (Regency,<br>London.)             |
|                                      | 1861 Nov. 19.                     |   |  |
|                                      | 1890 Mar. 4.                      | *CLARK, GEORGE JAMES .. ..  | Tees Conservancy, Stockton-on-Tees.                          |
|                                      | 1892 Nov. 22.                     |   |  |
|                                      | 1888 Apr. 10.                     | *CLARKE, JOSEPH PERCIVAL .. ..  | { B. A. & Rosario Ry., 748 Avenida<br>de Mayo, Buenos Aires. |
|                                      | 1896 Feb. 25.                     |   |  |
| T t ✠                                | 1874 May 5.                       | CLARKE, THOMAS CURTIS .. ..   | 127 Duane Street, New York, U.S.                             |
|                                      | 1866 May 15.                      | CLARKE, WILLIAM .. ..   | 45 Parliament Street, S.W.                                   |
|                                      | 1884 Jan. 8.                      | CLAYTON, THOMAS GETHING .. ..   | Midland Ry., Derby.  |
|                                      | 1889 Feb. 5.                      | CLAYTON, WILLIAM WIKLEY   | Railway Foundry, Leeds.                                      |
|                                      | 1887 Dec. 6.                      | CLEMENT, LEWIS METZLER .. ..  | { 1013 Central Av., Oakland, Cal.,<br>U.S.                   |
|                                      | 1875 Dec. 7.                      |   |  |
|                                      | 1888 Mar. 13.                     | COATES, JOHN .. ..  | { 99 Queen Street, Melbourne,<br>Victoria.                   |
|                                      | 1877 Jan. 16.                     | *COBLEY, WALTER HENRY .. ..   | Govt. Rys., Maritzburg, Natal.                               |
|                                      | 1890 May 6.                       |   |  |
|                                      | 1883 Feb. 6.                      | COCHRANE, CHARLES STYLE .. ..   | Port of Spain, Trinidad.                                     |
|                                      | 1866 Feb. 6.                      |   |  |
|                                      | 1872 Jan. 23.                     | CODRINGTON, THOMAS .. ..  | 5 Riverdale Rd., Twickenham Park.                            |
|                                      | 1894 Feb. 6.                      |   |  |
|                                      | 1897 Apr. 6.                      | COKE, GEORGE ELMSLEY .. ..  | { 65 Station Street, Nottingham.<br>(Mining, Nottingham.)    |
|                                      | 1895 Feb. 5.                      | { COKE, WILLIAM LANGTON, <i>Lt.-</i><br>Col. 3rd Batt. Derbyshire Regt. } | Local Govt. Board, Whitehall, S.W.                           |
|                                      | 1889 May 3.                       |   |  |
|                                      | 1892 Jan. 26.                     | COLAM, WILLIAM NEWBY .. ..  | { 9 Victoria Street, S.W. (Colam,<br>London.)                |
|                                      | { 1892 Jan. 12.<br>1895 May 14. } | *COLE, WILLIAM HENRY .. ..  | Cotmore Lodge, Cheltenham.                                   |
|                                      | 1891 Mar. 3.                      | { COLEBROOK, HENRY WILLIAM<br>VAUGHAN .. .. }                             | H. S. King & Co., 45 Pall Mall, S.W.                         |
| ✠                                    | { 1877 Dec. 4.<br>1890 Dec. 16. } | COLES, HENRY JAMES .. ..  | London Crane Works, Derby.                                   |
|                                      | 1886 Mar. 2.                      | COLLARD, ROBERT .. ..   | Orchard Leigh, St. John's, Ipswich.                          |
|                                      | 1898 Mar. 1.                      | COLLET, HAROLD VAN BRIENAN  | E. I. Ry., Calcutta.   |
| T t ✠                                | 1881 Feb. 1.                      | COLLINGWOOD, FRANCIS .. ..  | Elizabeth, New Jersey, U.S.                                  |
|                                      | 1880 Dec. 7.                      | *COLLINGWOOD, WILLIAM .. ..   | { Vulcan Foundry, Newton-le-<br>Willows, Lanes.              |
|                                      | 1895 Mar. 5.                      |   |  |

| Date of Election<br>and of Transfer. |                                    | MEMBERS.  |   |
|--------------------------------------|------------------------------------|---|---|
| ✠                                    | 1884 May 6.                        | COLLINS, ERNEST .. ..   | Wedderburn Road, Hampstead, N.W.            |
|                                      | 1892 Jan. 11.                      | { COLLISTER, JOHN GEORGE }<br>HENRY .. ..   | G. I. P. Railway, Bombay.                   |
|                                      | 1882 Dec. 5.                       |   |   |
|                                      | 1876 Mar. 7.                       |   |   |
|                                      | 1889 Apr. 9.                       | COLSON, ALFRED .. ..  | Gas Offices, Leicester.                     |
| t ✠                                  | { 1871 Feb. 7. }<br>1884 Mar. 11.  | COLSON, CHARLES .. ..   | Admiralty, 47 Victoria Street, S.W.         |
|                                      | 1870 May 24.                       | COLYER, FREDERICK .. ..   | 14 Victoria Street, S.W.                    |
|                                      | 1877 Mar. 27.                      | COMBER, PATRICK FORSTALL  | 19 Lower Leeson Street, Dublin.             |
| W t ✠                                | { 1883 May 29. }<br>1895 Oct. 22.  | COMMANS, ROBERT EDDEN ..  | { 6 Queen Street Place, E.C. (Bank<br>828.) |
|                                      | 1883 Dec. 4.                       | *CONGREVE, HUBERT .. ..   | Ship Canal, Runcorn.                        |
|                                      | 1893 Mar. 21.                      |   |   |
|                                      | 1884 May 6.                        | CONNAL, EBEN .. ..  | { Dux, Pyworthy, Holsworthy, N.             |
|                                      | 1891 Mar. 24.                      |   | { Devon.                                    |
|                                      | 1870 Dec. 6.                       |   | { 9 Victoria Street, S.W. (Penlee,          |
|                                      | 1883 Mar. 13.                      | *COODE, JOHN CHARLES .. ..  | { London.)                                  |
|                                      | 1886 Dec. 7.                       | COODE, MONTGOMERY PENROSE   | Rangoon, Burma.                             |
|                                      | 1896 Jan. 28.                      |   |   |
|                                      | 1894 May 1.                        | COOK, DAVID .. ..   | 165 Queen Victoria Street, E.C.             |
|                                      | 1887 Dec. 6.                       | COOK, GEORGE LESLIE .. ..   | P.W.D., Dunedin, Otago, N.Z.                |
|                                      | 1889 Feb. 5.                       | COOK, WALTER EDMUND ..  | { Water and Sewerage Dept., Pitt St.,       |
|                                      | 1895 May 14.                       |   | { Sydney, N.S.W.                            |
|                                      | 1893 Jan. 10.                      | COOM, JOHN .. ..  | Ry. Department, Wellington, N.Z.            |
|                                      | 1881 Dec. 6.                       | *COOPER, CHARLES FRIEND ..  | 6 Wardrobe Place, E.C.                      |
|                                      | 1895 Dec. 3.                       |   |   |
|                                      | 1885 Dec. 1.                       | *COOPER, FRANCIS ALFRED ..  | { Director of Public Works, Colombo,        |
|                                      | 1894 Mar. 13.                      |   | { Ceylon.                                   |
|                                      | 1885 Feb. 3.                       | COOPER, FREDERICK EASTMENT  | 11 Victoria Street, S.W.                    |
|                                      | 1871 May 2.                        | COOPER, GEORGE .. ..  | Pencliffe, Alleyn Rd., West Dulwich.        |
|                                      | 1877 Oct. 30.                      |   |   |
| ✠                                    | { 1870 May 3. }<br>1876 Jan. 11.   | COOPER, ROBERT ELLIOTT ..   | 8 The Sanctuary, S.W.                       |
|                                      | 1876 Mar. 7.                       | COPLAND, WILLIAM ROBERTSON  | { 146 West Regent St., Glasgow.             |
|                                      |                                    |   | { (Copland, Glasgow. 358.)                  |
| ✠                                    | { 1875 Jan. 12. }<br>1880 Feb. 24. | COPPERTHWAIT, HAROLD ..   | { North Eastern Ry., York. (Copper-         |
|                                      | 1880 May 25.                       |   | { thwaite, York.)                           |
|                                      |                                    | CORDNER, ROBERT ALLEN ..  | King, King & Co., Bombay.                   |
|                                      | 1881 Feb. 1.                       | { CORNISH, JOSIAH EASTON, }<br>C.M.G. .. ..   | Water Co., Alexandria, Egypt.               |
|                                      |                                    | CORTHELL, ELMER LAWRENCE, }<br>M.A., D.Sc. ( <i>Brown Univ.</i> ,<br>Providence, R.I., U.S.) .. |   |
| W t ✠                                | 1884 Dec. 2.                       |   | 27 Pine Street, New York, U.S.              |
|                                      | 1880 May 4.                        | *COSTOBADIE, WILLIAM PALLISER   | English Club, Monte Video.                  |
|                                      | 1893 May 9.                        |   |   |
|                                      | 1881 May 31.                       | COTTON, CHARLES OSWELL ..   | { Stanhope House, Avenue Road,              |
|                                      | 1889 Dec. 3.                       |   | { Abergavenny.                              |
|                                      | 1861 May 7.                        | COTTON, CHARLES PHILIP ..   | { Local Govt. Board, Custom House,          |
|                                      | 1864 Mar. 22.                      |   | { Dublin.                                   |
|                                      | 1893 Feb. 7.                       | COTTON, FRANCIS MICHAEL ..  | Harbour Office, Holyhead.                   |
|                                      | 1874 Jan. 13.                      | COTTON, WILLIAM GORDON  | 5 Council House Street, Calcutta.           |
|                                      | 1890 May 6.                        | LYNCH .. ..   |   |
|                                      | 1889 May 21.                       | *COTTRELL, STEPHEN BUTLER   | { Overhead Railway, James Street,           |
|                                      | 1895 Mar. 26.                      |   | { Liverpool.                                |
| ✠                                    | 1894 May 22.                       | COURTNEY, CHARLES FREDERICK   | Central Broken Hill Mine, N.S.W.            |
|                                      | 1876 May 30.                       | *COURTNEY, FRANK STUART ..  | 39 Alleyn Park, Dulwich, S.E.               |
|                                      | 1889 Nov. 26.                      |   |   |
|                                      | 1879 Feb. 4.                       | COUSINS, EDWARD .. ..   | 9 Bridge Street, Westminster, S.W.          |
| ✠                                    | 1885 Apr. 14.                      | COVENTRY, WALTER BULKELEY   | { Burgate House, Fordingbridge,             |
|                                      |                                    |   | { Salisbury.                                |
| ✠                                    | 1888 Dec. 4.                       | COWAN, DAVID .. ..  | Clevedon, Cove, Dumbartonshire.             |
|                                      | 1883 Mar. 6.                       | COWAN McTAGGART .. ..   | 109 Bath Street, Glasgow.                   |

| Date of Election<br>and of Transfer. |                    | MEMBERS.                                   |  |
|--------------------------------------|--------------------|--|--|
| m                                    | ✠ { 1885 Feb. 3. } | *COWAN, PETER CHALMERS, }                  | Rath Villa, Downpatrick.   |
|                                      | 1892 May 3. }      | B.Sc. ( <i>Edin.</i> ) .. .. }             |  |
|                                      | 1880 Dec. 7. }     | COX, JOHN HENRY .. .. }                    |  |
|                                      | 1889 Dec. 3. }     | .. .. }                                    |  |
|                                      | 1880 May 4. }      | CRAIG, JOHN, M.A. ( <i>Dubl.</i> ) .. .. } |  |
| t                                    | ✠ { 1883 Nov. 6. } | .. .. }                                    | Queenstown, Cape Colony.   |
|                                      | 1861 Apr. 9. }     | CRAWFORD, Professor ROBERT, }              |  |
|                                      | 1879 Nov. 11. }    | M.A.I. ( <i>Dubl.</i> ) .. .. }            |  |
|                                      | 1888 Dec. 4. }     | .. .. }                                    |  |
|                                      | 1893 Mar. 7. }     | CRAWFORD, ROBERT .. .. }                   |  |
|                                      | 1896 May 5. }      | CRAWFORD, WILLIAM .. .. }                  | { Dept. Rys. and Canals, Ottawa,<br>Canada.  |
|                                      | 1877 Feb. 6. }     | .. .. }                                    |  |
|                                      | 1883 May 29. }     | CRAWFORD, JOHN BRUCE .. .. }               |  |
|                                      | 1881 Mar. 1. }     | .. .. }                                    |  |
|                                      | 1898 Mar. 22. }    | CREASY, LEONARD .. .. }                    |  |
|                                      | 1879 Feb. 4. }     | .. .. }                                    | P.W.D., Kandy, Ceylon.   |
|                                      | 1884 Dec. 23. }    | CRESWELL, ROBERT EDWARD .. .. }            |  |
|                                      | 1888 Mar. 6. }     | .. .. }                                    |  |
|                                      | 1879 May 6. }      | CRIGHTON, CHARLES EDWIN .. .. }            |  |
|                                      | 1891 Jan. 13. }    | *CRIMP, WILLIAM SANTO .. .. }              |  |
| T t                                  | ✠ { 1882 Mar. 7. } | CROES, JOHN JAMES ROBERTSON .. .. }        | 68 Broad Street, New York, U.S.  |
|                                      | 1886 May 18. }     | { CROMPTON, ROOKES EVELYN }                |  |
|                                      | 1879 Mar. 4. }     | BELL .. .. }                               |  |
|                                      | 1897 Nov. 30. }    | *CROOK, HENRY TIPPING .. .. }              |  |
|                                      | 1892 Feb. 2. }     | .. .. }                                    |  |
|                                      | 1894 May 22. }     | CROSLAND, JAMES FOYELL }                   | 67 King Street, Manchester.  |
|                                      | 1886 Feb. 2. }     | LOVELOCK .. .. }                           |  |
|                                      | 1891 Jan. 13. }    | CROSS, WILLIAM .. .. }                     |  |
|                                      | 1868 Jan. 14. }    | CROSTHWAIT, THOMAS PHILIP }                |  |
|                                      | 1887 Dec. 13. }    | SHERARD, B.A. ( <i>Dubl.</i> ) .. .. }     |  |
|                                      | 1871 Feb. 7. }     | CROUCH, WILLIAM .. .. }                    | { 175 Hope Street, Glasgow. (Crouch,<br>Glasgow.)                                  |
|                                      | 1868 Apr. 7. }     | .. .. }                                    |  |
|                                      | 1879 Jan. 7. }     | CROUDACE, CHARLES HUTTON .. .. }           |  |
|                                      | 1893 May 2. }      | CROWELL, FOSTER, M.C.E. }                  |  |
|                                      | 1878 May 7. }      | ( <i>Polytechnic Coll. Penn.</i> ) .. .. } |  |
|                                      | 1893 Mar. 21. }    | CROWTHER, GEORGE HENRY .. .. }             | Huddersfield.  |
|                                      | 1867 Feb. 5. }     | .. .. }                                    |  |
|                                      | 1883 Feb. 6. }     | CROZIER, WILLIAM .. .. }                   |  |
|                                      | 1888 Mar. 13. }    | .. .. }                                    |  |
|                                      | 1860 May 1. }      | CUDWORTH, WILLIAM .. .. }                  |  |
| T t                                  | ✠ { 1883 Mar. 6. } | .. .. }                                    | 14 Delahay Street, Westminster.  |
|                                      | 1896 Jan. 7. }     | CUNHA, ERNESTO ANTONIO }                   |  |
|                                      | 1897 Jan. 12. }    | LASSANCE .. .. }                           |  |
|                                      | 1878 Dec. 3. }     | CUNINGHAM, GRANVILLE CAR- }                |  |
|                                      | 1896 Dec. 1. }     | LYLE .. .. }                               |  |
|                                      | 1868 Dec. 1. }     | CUNNINGHAM, JAMES .. .. }                  | 5 Somer Hill, Newport, Mon.  |
|                                      | 1873 Apr. 1. }     | .. .. }                                    |  |
|                                      | 1877 Dec. 4. }     | CURREY, ELIOTT SCARLETT .. .. }            |  |
|                                      | 1886 Jan. 19. }    | .. .. }                                    |  |
|                                      | 1891 Apr. 7. }     | *CURRY, MATTHEW .. .. }                    |  |
| m                                    | 1883 Apr. 3. }     | *CURRY, THOMAS ELMITT .. .. }              | { N.W.Ry., Bolan District, <i>via</i> Quetta,<br>India.                            |
|                                      | 1888 Apr. 3. }     | CUTHBERT, EDWIN .. .. }                    |  |
|                                      | 1888 Dec. 4. }     | .. .. }                                    |  |
|                                      | 1896 Apr. 21. }    | D'AETH, JOHN .. .. }                       |  |
|                                      | 1876 May 2. }      | DAGLISH, GEORGE HEATON .. .. }             |  |
|                                      | 1881 May 31. }     | DANBY, WILLIAM .. .. }                     | { Rock Mount, Aigburth, Liverpool.<br>(Daglish, Aigburth, Liverpool.<br>Hong Kong. |
|                                      | 1888 Dec. 4. }     | .. .. }                                    |  |
|                                      | 1896 Apr. 21. }    | .. .. }                                    |  |
|                                      | 1876 May 2. }      | .. .. }                                    |  |
|                                      | 1881 May 31. }     | .. .. }                                    |  |

| Date of Election<br>and of Transfer. |  | MEMBERS.                              |   |
|--------------------------------------|--|---------------------------------------|---|
| 1871 Mar. 7.                         |  | DANGERFIELD, EDWARD .. ..             | 40 Central Hill, Upper Norwood, S.E.                    |
| 1897 Dec. 7                          |  | DARBY, JOHN HENRY .. ..               | Brynbo, Denbighshire.                                   |
| 1873 Dec. 2.                         |  | DARLEY, CECIL WEST .. ..              | { Engineer-in-Chief, P.W.D., Sydney,<br>N.S.W.          |
| 1879 Jan. 7.                         |  |                                       |   |
| 1883 Dec. 4.                         |  | DARTNALL, WILLIAM WHITNEY             | Perth, Western Australia.                               |
| W t ✕ { 1877 Feb. 6.                 |  | DAVEY, HENRY .. ..                    | 3 Princes Street, Westminster, S.W.                     |
| 1878 May 21.                         |  |                                       |   |
| 1876 Apr. 4.                         |  | DAVIDSON, ALFRED .. ..                | W. Watson & Co., Bombay.                                |
| 1889 Feb. 19.                        |  |                                       |   |
| 1884 May 6.                          |  | DAVIDSON, JAMES YOUNG .. ..           | { Stowe Lodge, Elm Grove, Wimble-<br>don.               |
| 1876 Dec. 5.                         |  | DAVIDSON, ROBERT .. ..                | 37 Surrey Street, Sheffield.                            |
| 1885 Dec. 1.                         |  |                                       |   |
| 1884 May 6.                          |  | DAVIES, WILLIAM .. ..                 | The Celyn, Caergwrie, Wrexham.                          |
| 1866 May 15.                         |  | DAVIS, HENRY WHEELER .. ..            | 5 Highbury Grove, N.                                    |
| 1889 Dec. 3.                         |  | DAVIS, JOSEPH .. ..                   | Sewerage Dept., Sydney, N.S.W.                          |
| 1891 Nov. 9.                         |  |                                       |   |
| 1884 Mar. 4.                         |  | *DAVISON, ROBERT COPE HARDY           | East Dock, Barry, Cardiff.                              |
| 1895 Jan. 22.                        |  |                                       |   |
| 1885 May 5.                          |  | DAWNEY, CHARLES .. ..                 | 367 Calle San Martin, Buenos Aires.                     |
| 1866 Dec. 4.                         |  | DAWSON, GEORGE JAMES                  | { North Staffs. Ry., Stoke-on-Trent.                    |
| 1872 Mar. 26.                        |  | CROSBIE                               |   |
| 1877 May 29.                         |  | DAWSON, JOSEPH .. ..                  | { 1247, 67th Street, Park Manor,<br>Chicago, Ill., U.S. |
| 1880 Feb. 10.                        |  |                                       |   |
| 1886 Jan. 12.                        |  | *DAWSON, WILLIAM .. ..                | L. & N. W. Ry., Bangor.                                 |
| 1896 Feb. 25.                        |  |                                       |   |
| 1886 Mar. 2.                         |  | DAWSON, WILLIAM .. ..                 | Town Hall, Leyton, E.                                   |
| 1896 Feb. 25.                        |  |                                       |   |
| 1878 Feb. 5.                         |  | *DAWSON, WILLIAM ALFRED ..            | 1 Victoria Street, S.W.                                 |
| 1884 Jan. 8.                         |  |                                       |   |
| 1883 Mar. 6.                         |  | DAY, ARTHUR JAMES .. ..               | Northam Iron Works, Southampton.                        |
| 1871 Jan. 10.                        |  | DAY, JAMES EDWARD .. ..               | Violet Hill, Ballybrack, co. Dublin.                    |
| T W St ✕ { 1872 Dec. 3.              |  | DEACON, GEORGE FREDERICK              | { 32 Victoria Street, S.W. (West-<br>minster 86.)       |
| 1874 Jan. 6.                         |  |                                       |   |
| 1886 Dec. 7.                         |  | DEACON, MAURICE .. ..                 | Whittington House, nr. Chesterfield.                    |
| 1892 Dec. 20.                        |  |                                       |   |
| 1877 Mar. 6.                         |  | DEAN, WILLIAM .. ..                   | G. W. Ry., Swindon.                                     |
| 1878 Jan. 15.                        |  |                                       |   |
| 1874 May 5.                          |  | { DEANE, HENRY, M.A. ( <i>Royal</i> ) | Ry. Dept., Sydney, N.S.W.                               |
| 1886 May 11.                         |  | { ( <i>Member of Council</i> ) .. ..  |   |
| 1895 Dec. 3.                         |  | { DEANE, HENRY HARGRAVE.              | B. B. & C. I. Ry., Bombay.                              |
|                                      |  | { B.A. ( <i>Dubl.</i> ) .. ..         |   |
| 1886 Apr. 6.                         |  | DE BRATH, STANLEY .. ..               | Cobo Bay, Guernsey.                                     |
| 1894 Feb. 20.                        |  |                                       |   |
| 1868 Feb. 4.                         |  | DENHAM, CHARLES HENRY ..              | Taljeriah, Craneswater, Southsea.                       |
| 1889 Mar. 5.                         |  | DENNISON, GAVIN HADDEN ..             | The Firs, Meadowbank, Oamaru, N.Z.                      |
| 1863 Apr. 14.                        |  | { DENT, WILLIAM DENT,                 | { 24 Devonshire Road, Princes Park,<br>Liverpool.       |
|                                      |  | { M.A. ( <i>Cantab.</i> ) .. ..       |   |
| 1891 Dec. 1.                         |  | { DENTON, EARDLEY BAILEY,             | 9 Bridge Street, Westminster, S.W.                      |
|                                      |  | { B.A. ( <i>Oxon.</i> ) .. ..         |   |
| 1865 Dec. 5.                         |  | DERRY, JOHN DICKSON .. ..             | { 10 Luxemburg Gardens, Brook<br>Green, W.              |
| 1878 May 28.                         |  |                                       |   |
| 1868 Feb. 4.                         |  | DE RUSSETT, EDWIN WILLIAM             | Warden House, Tynemouth.                                |
| 1893 May 9.                          |  |                                       |   |
| 1878 May 7.                          |  | DIBBIN, HENRY ARTHUR ..               | { 19 Broughton Drive, Grassendale,<br>Liverpool.        |
| 1888 Apr. 10.                        |  | DICK, FREDERICK JOHN .. ..            | Office of Public Works, Dublin.                         |
| 1893 May 2.                          |  |                                       |   |
| 1877 Feb. 6.                         |  | DICK, GAVIN GEMMELL .. ..             | { Queensland Office, 1 Victoria Street,<br>S.W.         |
| 1881 Nov. 15.                        |  |                                       |   |
| 1860 Apr. 3.                         |  | DICKINSON, JAMES AUSTEN ..            | { 8 Crosthwaite Park, Kingstown, co.<br>Dublin.         |
| 1878 May 7.                          |  | DICKSON, GEORGE WORKMAN,              | { Camp House, Georgetown, British<br>Guiana.            |
| 1894 Jan. 23.                        |  | B.A. ( <i>Dubl.</i> ) .. ..           |   |



| Date of Election<br>and of Transfer. |                 | MEMBERS.  |   |
|--------------------------------------|-----------------|---|---|
|                                      | 1880 Apr. 6.    | DILLON, JAMES .. .. .                                 | 36 Dawson Street, Dublin.   |
|                                      | 1892 Feb. 2.    | { DIXON, EDWARD KEVILLE, .. .. .                      | County Surveyor, Castlebar, Mayo.                                       |
|                                      | 1894 Nov. 27.   | { M.E. ( <i>Royal</i> ) .. .. .                       |   |
|                                      | 1891 May 12.    | DIXON, FREDERICK PARKER .. .. .                       | Town Hall, Rathmines, co. Dublin.                                       |
|                                      | 1878 Feb. 5.    | { DIXON, WAYNMAN .. .. .                              | { Cleveland Dockyard, Middlesbrough.<br>(Dixon, Middlesbrough.)         |
|                                      | 1882 Nov. 27.   |   |   |
| †                                    | 1882 Mar. 7.    | DOBSON, ARTHUR DUDLEY .. .. .                         | Warrnambool, Victoria.  |
| T t †                                | { 1842 Mar. 1.  | { DOBSON, EDWARD .. .. .                              | Hereford St., Christchurch, N.Z.  |
|                                      | { 1881 Mar. 29. |   |   |
|                                      | 1873 Feb. 4.    | *DOBSON, JAMES MURRAY .. .. .                         | { Buenos Aires; & 33 Great George<br>Street, S.W.                       |
|                                      | 1880 Dec. 14.   | { DOBSON, SYDNEY THORNTON .. .. .                     | { St. James and Pall Mall Electric<br>Light Co., Carnaby Street, W.     |
|                                      | 1891 Feb. 3.    |   |   |
|                                      | 1898 Mar. 15.   |   |   |
|                                      | 1854 Apr. 4.    | DODDS, THOMAS WEATHERBURN .. .. .                     | 6 Priory Road, Sheffield.   |
|                                      | 1873 Apr. 1.    | { DODWELL, CHARLES EDWARDS } .. .. .                  | 42 Queen St., Halifax, Nova Scotia.                                     |
|                                      | 1881 Apr. 5.    |   |   |
|                                      | 1890 Feb. 18.   |   |   |
|                                      | 1897 Dec. 7.    | DÖRING, FREDERICK BERNARD .. .. .                     |   |
|                                      | 1884 Dec. 2.    | DOIG, SCROPE BERDMORE .. .. .                         | P.W.D., Karachi, India.   |
|                                      | 1894 Dec. 4.    | { DOMINICO, GUILLERMO FREDERICO } .. .. .             | J. Murray Dobson, Puerto, Buenos Aires.                                 |
|                                      |                 | { JORGE .. .. .                                       |   |
| t †                                  | { 1882 Feb. 7.  | { DONALDSON, HAY FREDERICK .. .. .                    | 30 Cornwall Gardens, S.W.   |
|                                      | { 1891 Apr. 7.  |   |   |
|                                      | 1875 Dec. 7.    | { DONALDSON, JOHN .. .. .                             | Tower House, Chiswick.  |
|                                      | 1877 Dec. 4.    |   |   |
| W t m †                              | 1863 Dec. 1.    | DONALDSON, THOMAS OLINTHUS .. .. .                    | 49 Lee Terrace, Blackheath, S.E.  |
|                                      | 1884 Feb. 5.    | DONKIN, BRYAN .. .. .                                 | The Mount, Wray Park, Reigate.  |
|                                      | 1897 Dec. 7.    | { DORMAN, JOHN WILLIAM, B.A. ( <i>Dubl.</i> ) .. .. . | Railway, Georgetown, Demerara.  |
|                                      | 1893 Feb. 7.    | DORMAN, RICHARD HENRY .. .. .                         | County Surveyor, Armagh.  |
| t †                                  | 1868 Mar. 3.    | DOUGLASS, WILLIAM .. .. .                             | Irish Lights Office, Dublin.  |
| T t †                                | { 1882 May 23.  | { *DOUGLASS, WILLIAM TREGAR- } .. .. .                | 15 Victoria Street, S.W.  |
|                                      | { 1887 Dec. 6.  |   |   |
|                                      | 1883 May 1.     | DOWNEY, ALFRED CHRISTIAN .. .. .                      | Marton Road, Middlesbrough.   |
|                                      | { 1871 Mar. 7.  | { DOWSON, JOSEPH EMERSON .. .. .                      | { 39 Old Queen Street, Westminster,<br>S.W. (Gaseous, London.)          |
|                                      | { 1884 May 13.  |   |   |
|                                      | 1883 May 29.    | DRAPER, CARTER, B.A. ( <i>Dubl.</i> ) .. .. .         | 26 Grosvenor Rd., Rathmines, Dublin.                                    |
|                                      | 1896 Feb. 4.    | DREDGE, JAMES, C.M.G.... .. .                         | 35 Bedford Street, Strand, W.C.   |
|                                      | 1854 May 2.     | { DREW, EDWARD ALEXANDER .. .. .                      | The Mount, Braughing, Herts.  |
|                                      | 1864 Nov. 29.   |   |   |
| T t †                                | 1881 May 31.    | DRUMMOND, DUGALD .. .. .                              | L. & S. W. Ry., Nine Elms, S.W.   |
| T t †                                | { 1875 Feb. 2.  | { DUCKHAM, FREDERIC ELIOT .. .. .                     | { Millwall Docks, E.<br>Molong, Rosebank St., Darlington, Sydne, N.S.W. |
|                                      | { 1878 Apr. 9.  |   |   |
|                                      | 1886 Dec. 7.    | DUFFY, WILLIAM .. .. .                                | 28 Osbourne Road, Blackpool.  |
|                                      | 1878 Mar. 5.    | DUGDALE, RICHARD SWARBRICK .. .. .                    | 28 Osbourne Road, Blackpool.  |
|                                      | 1885 Jan. 20.   | { DUNCAN, Hon. GEORGE ALEX- } .. .. .                 | 8 Gloucester St., Boston, Mass., U.S.                                   |
|                                      | 1882 Feb. 7.    | { ANDER HALDANE .. .. .                               |   |
|                                      | 1887 Dec. 6.    | DUNCAN, GEORGE SMITH .. .. .                          | P.O. Box 16, Melbourne, Victoria.                                       |
|                                      | 1892 Mar. 1.    | DUNCAN, PATRICK .. .. .                               | P.W.D., Quetta, India.  |
|                                      | 1885 Dec. 1.    | DUNCAN, ROBERT .. .. .                                | Whitefield Works, Govan, Glasgow.                                       |
|                                      | 1876 Mar. 7.    | DUNCANSON, ALEXANDER .. .. .                          | Municipal Offices, Liverpool.   |
|                                      | 1883 Dec. 4.    | DUNLOP, CHARLES BLACKBURN .. .. .                     | Nizam's Ry., Secunderabad, India.                                       |
|                                      | 1896 May 5.     | DUNN, GEORGE OWEN WILLIAM .. .. .                     | Talbot, Hamilton Road, Bosecombe, [Hants.                               |
|                                      | 1879 May 6.     | DUNSCOMBE, CLEMENT, .. .. .                           | { 32 Victoria Street, S.W. (Persuade, London.)                          |
|                                      | 1883 Jan. 23.   | { M.A. ( <i>Dubl.</i> ) .. .. .                       |   |
|                                      | 1894 Mar. 6.    | DUQUEMIN, JAMES .. .. .                               | Braemar, St. Peter Port, Guernsey.                                      |
|                                      | 1897 Apr. 6.    | { DURSTON, Sir ALBERT JOHN, } .. .. .                 | 67d Upper Tulse Hill, S.W.  |
|                                      |                 | { K.C.B., R.N. .. .. .                                |   |
|                                      | 1887 May 3.     | DYACK, WILLIAM .. .. .                                | Burgh Surveyor, Aberdeen.   |
|                                      | 1897 Nov. 30.   |   |   |
|                                      | 1869 Jan. 12.   | DYKE, THOMAS, B.A. ( <i>Oxon.</i> ) .. .. .           | Ashton Lodge, near Bristol.   |
|                                      | 1869 Dec. 7.    |   |   |

|     | Date of Election<br>and of Transfer. | MEMBERS.  |  |
|-----|--------------------------------------|---|--|
|     | 1866 Dec. 4.}                        | EACHUS, GEORGE FEDES .. ..  | 39 Old Queen St., Westminster, S.W.                                      |
|     | 1871 Mar. 28.}                       | EARLE, HARDMAN ARTHUR ..  | Salford Ironworks, Manchester.   |
|     | 1896 Feb. 4.}                        | EAYES, JOHN THOMAS .. ..  | { Clarence Chambers, Corporation<br>Street, Birmingham. [S.W.]           |
|     | 1883 Feb. 6.}                        | ECKERSLEY, WILLIAM .. ..  | Broadway Chambers, Westminster   |
|     | 1893 Dec. 19.}                       | EDWARDS, ROBERT .. ..   | 20 Marina, St. Leonards.   |
|     | 1854 Apr. 4.}                        | ELGAR, FRANCIS, LL.D. ( <i>Glas.</i> ),   |  |
|     | 1872 Apr. 9.}                        | F.R.S. .. ..  | 113 Cannon Street, E.C.  |
|     | 1882 Feb. 21.}                       |   |  |
| S t | ✠ {1872 Feb. 6.}                     | ELIOT, WHATELY .. ..  | 11 Alfred Street, Plymouth.  |
|     | {1878 Jan. 29.}                      | ELLICE - CLARK, EDWARD  |  |
|     | 1874 Dec. 1.}                        | BAUDOUIN .. ..  | 34 Victoria Street, S.W.   |
|     | 1882 May 23.}                        |   |  |
| W t | ✠ 1882 Dec. 5.}                      | ELLINGTON, EDWARD BAYZAND   | { 9 Bridge Street, Westminster, S.W.<br>(Hydrower, London.)              |
|     | 1897 Dec. 7.}                        | { ELLIOTT, Professor ARCHIBALD<br>CAMPBELL, D.Sc. ( <i>Edin.</i> ) ..                             | University College, Cardiff.   |
|     | 1872 Feb. 6.}                        | ELLIOTT, <i>Cavaliere</i> JOHN ..   | 31 Via S. Spirito, Florence.   |
|     | 1880 Mar. 2.}                        | ELLIS, ATTWILL .. ..  | c.o. Capital & Counties Bank, Dawlish.                                   |
|     | 1888 Dec. 4.}                        | ELLIS, EDWARD .. ..   | G. N. Ry., Leeds.  |
|     | 1896 Mar. 17.}                       | ELLIS, JOHN DEVONSHIRE ..   | Atlas Works, Sheffield.  |
|     | 1884 Jan. 8.}                        | *ELLIS, REGINALD EATON ..   | Municipal Office, Madras.  |
|     | 1887 Dec. 6.}                        |   |  |
|     | 1896 Mar. 3.}                        | ELLIS, WILLIAM IRLAM ..   | { 47 Ward's Buildings, Deansgate,<br>Manchester.                         |
|     | 1866 Apr. 10.}                       | ELSDON, WILLIAM .. ..   | George St., East Melbourne, Victoria.                                    |
|     | 1884 Mar. 18.}                       | ELWELL, PAUL BEDFORD ..   | Australian Club, Sydney, N.S.W.  |
|     | 1870 Apr. 5.}                        | ELWES, RICHARD GERVASE ..   | 3 Laurence Pountney Hill, E.C.   |
|     | 1894 Feb. 6.}                        | *ELWIN, CHARLES .. ..   | { County Council, Spring Gardens,<br>S.W.                                |
|     | 1873 May 6.}                         |   |  |
|     | 1878 Apr. 9.}                        |   |  |
|     | 1873 Dec. 2.}                        |   |  |
|     | 1893 May 9.}                         | ELY, THEODORE NEWEL ..  | { Pennsylvania Railroad, Broad St.,<br>Philadelphia, Pa., U.S.           |
|     | 1888 Dec. 4.}                        |   |  |
|     | 1876 May 2.}                         | EMMOTT, PHILIP RICKMAN ..   | Willow Brae, Parkstone, Poole.   |
|     | 1883 Nov. 6.}                        |   |  |
| T t | ✠ {1876 Mar. 7.}                     | ENDE, MAX AM .. ..  | 18 Abingdon Street, S.W.   |
|     | {1884 Jan. 22.}                      | ESCOTT, EDWARD RICE SWEET   | Boro' Engineer, Halifax.   |
|     | 1881 Dec. 6.}                        | ESSON, WILLIAM BEEDIE ..  | Victoria Works, Old Charlton, Kent.                                      |
|     | 1890 May 6.}                         |   |  |
|     | 1894 Dec. 18.}                       | ESTALL, GEORGE .. ..  | { Metropolitan District Ry. Works,<br>West Brompton, S.W.                |
|     | 1874 Dec. 1.}                        | ETLINGER, JOHN ERNEST ...   | Evood, Hampton-on-Thames.  |
|     | 1895 Nov. 26.}                       | EVANS, CHARLES THOMAS ..  | W. Watson & Co., 7 Waterloo Place,<br>Savile Club, Piccadilly, W. [S.W.] |
|     | 1896 Mar. 3.}                        | EVANS, MORTIMER .. ..   | Cyfarthfa Works, Merthyr Tydfil.   |
|     | 1890 May 6.}                         | EVANS, WILLIAM .. ..  | 8 Laurence Rd., South Norwood, S.E.                                      |
|     | 1882 Mar. 7.}                        | *EVERARD, JOHN BREEDON ..   | 6 Millstone Lane, Leicester.   |
|     | 1890 Dec. 2.}                        |   |  |
|     | 1884 May 27.}                        |   |  |
|     | 1870 May 3.}                         |   |  |
|     | 1886 Mar. 1.}                        |   |  |
|     | ✠ {1841 Mar. 16.}                    | EVILL, WILLIAM .. ..  | 43 Gloucester Gardens, W.  |
|     | {1865 Dec. 5.}                       |   |  |
|     | {1884 May 6.}                        |   |  |
| t   | ✠ {1882 Jan. 10.}                    | EWART, HENRY .. ..  | { Bixley Cottage, Gore Park Road,<br>Eastbourne.                         |
|     | {1891 Nov. 3.}                       |   |  |
| T t | ✠ 1891 Mar. 3.}                      | { EWING, Professor JAMES<br>ALFRED, M.A. ( <i>Cantab.</i> ),<br>B.Sc. ( <i>Edin.</i> ), F.R.S. .. | Langdale Lodge, The Avenue, Cam-<br>bridge.                              |
|     | 1874 Dec. 1.}                        | EYLES, GEORGE LANCELOT ..   | 2 Delahay Street, Westminster, S.W.                                      |
|     | 1880 Nov. 9.}                        |   |  |

Date of Election  
and of Transfer.

## MEMBERS.

|         |                  |   |   |
|---------|------------------|---|---|
| ✠       | 1879 May 27.     | FAHEY, CHARLES SWAINE ..                      | { Newstead, Darley Road, Meads,<br>Eastbourne.          |
|         | 1880 Dec. 7.     | FAHIE, WILLIAM JOSEPH ..                      | { 49 Ailesbury Road, Dublin.                            |
|         | 1880 Feb. 3.}    | *FAREWELL, CHARLES WILLIAM ..                 | { General Farewell, Westwood, Lans-<br>down, Bath.      |
|         | 1897 Nov. 30.}   | FREKE .. .. .                                 | {   |
| ✠       | { 1887 Dec. 6.   | FARRAR, SIDNEY HOWARD ..                      | { c.o. F. A. Robinson & Co., 54 Old<br>Broad St., E.C.  |
|         | 1891 Jan. 27.}   |   |   |
|         | 1868 Jan. 14.}   | FARREN, GEORGE .. .. .                        | { Carnarvon.  |
|         | 1896 Dec. 15.}   |   |   |
|         | 1875 May 4.}     | *FAVELL, THOMAS MILNES ..                     | { Heatherlea, Wolstanton, Stoke-on-<br>Trent.           |
|         | 1894 Nov. 27.}   |   |   |
| m m ✠   | { 1888 May 1.}   | *FAWCUS, WILLIAM PAUL JAMES                   | { 78 King Street, Manchester.                           |
|         | 1896 May 5.}     |   |   |
|         | 1868 Apr. 7.}    | FENNER, HENRY ALGERNON ..                     | { 46 Granville Park, Blackheath, S.E.                   |
|         | 1877 Oct. 30.}   | SHRAPNEL .. .. .                              | { 1 Park Place, Leeds. (Fenwick,<br>Engineer, Leeds.)   |
|         | 1867 Feb. 5.}    | FENWICK, THOMAS .. .. .                       | {   |
|         | 1871 May 2.}     | FERGUSON, HENRY TANNER ..                     | { Wolleigh, Bovey Tracey.                               |
|         | 1884 Oct. 14.}   |   |   |
|         | 1880 Dec. 7.}    | FERGUSON, WILLIAM,                            | { Harbour Board, Wellington, N.Z.                       |
|         | 1893 May 16.}    | M.A., B.A.I. (Dubl.) .. ..                    | {   |
|         | 1884 Dec. 2.}    | *FERGUSON, JOHN COLEMAN ..                    | { 602 Granville Street, Vancouver,<br>British Columbia. |
|         | 1895 Nov. 26.}   |   |   |
| W t m ✠ | { 1862 Dec. 2.}  | FERNIE, JOHN .. .. .                          | { Hutchinson, Kansas, U.S.                              |
|         | 1869 Feb. 23.}   |   |   |
|         | 1867 May 21.}    | FERRAR, WILLIAM GREY ..                       | { 1 Laburnam Villas, South Park<br>Avenue, Ilford, E.   |
|         | 1877 Oct. 30.}   |   |   |
|         | 1879 Jan. 14.}   | FFORDE, JAMES .. .. .                         | { São Paulo Ry., São Paulo, Brazil.                     |
|         | 1881 Mar. 1.}    | FIDDES, WALTER .. .. .                        | { 2 Queen's Avenue, Tyndall's Park,<br>Bristol.         |
|         | 1896 Dec. 1.}    | FIDDES, WALTER WILLIAM ..                     | { Gas Co., Canon's Marsh, Bristol.                      |
| t ✠     | { 1880 Jan. 13.} | { FIDLER, Professor THOMAS<br>CLAXTON .. .. . | { University College, Dundee.                           |
|         | 1891 Feb. 3.}    | FIELD, GEORGE ROBERT MOYLE                    | { Irrigation Branch, P.W.D., Lahore,<br>Punjab.         |
|         | 1857 Mar. 3.}    | FIELD, JOSHUA .. .. .                         | { 108 Westminster Bridge Road, S.E.<br>(4681.)          |
|         | 1862 May 20.}    |   |   |
| ✠       | { 1866 Jan. 9.}  | FIELD, ROGERS, B.A. (Lond.) ..                | { 7 Victoria Street, S.W.                               |
|         | 1877 May 29.}    |   |   |
|         | 1886 Feb. 2.}    | FIELDING, JOHN .. .. .                        | { Atlas Works, Gloucester.                              |
|         | 1885 Feb. 3.}    | FINCHAM, JAMES .. .. .                        | { Hobart, Tasmania.                                     |
|         | 1881 Feb. 1.}    | FINDLAY, CHARLES FARQUHAR,                    | { East Indian Ry., Calcutta.                            |
|         | 1889 Mar. 12.}   | M.A. (Cantab.) .. .. .                        | {   |
|         | 1886 Apr. 6.}    | *FIRTH, CHARLES .. .. .                       | { Holmlands Park, Sunderland.                           |
|         | 1896 Mar. 3.}    |   |   |
|         | 1876 Dec. 5.}    | FIRTH, THOMAS RHODES ..                       | { Railway Dept., Sydney, N.S.W.                         |
|         | 1894 Feb. 6.}    | FISCHER, GUSTAVE JOSEPH ..                    | { Oakhurst, West Street, New Sydney,<br>N.S.W.          |
|         | 1875 Dec. 7.}    | FISHER, HENRY OAKDEN ..                       | { Ty Mynydd, Radyr, Cardiff.                            |
|         | 1881 May 31.}    |   |   |
|         | 1879 Dec. 2.}    | FITCH, BENNETT .. .. .                        | { 7 Grange Road, Ealing, W.                             |
|         | 1884 Nov. 25.}   |   |   |
|         | 1883 May 29.}    | *FITZGIBBON, GERALD .. ..                     | { Heysham Harbour, near Lancaster.                      |
|         | 1898 Feb. 15.}   |   |   |
| W t m ✠ | { 1887 Feb. 1.}  | *FITZMAURICE, MAURICE,                        | { Nile Reservoir, Assuan, Egypt.                        |
|         | 1893 Dec. 5.}    | B.A.I. (Dubl.) .. .. .                        | {   |
|         | 1879 Feb. 4.}    | FLANNERY, JAMES FORTESCUE,                    | { 9 Feuchurch Street, E.C.                              |
| ✠       | { 1885 Mar. 3.}  | M.P. .. .. .                                  | {   |
|         | 1871 May 23.}    | { FLEMING, Sir SANDFORD,                      | { Ottawa, Canada.                                       |
|         | 1871 Dec. 5.}    | K.C.M.G. .. .. .                              | {   |
|         | 1885 Nov. 10.}   | FLOYD, WALTER COMBERMERE                      | { Southampton Villa, Grove Road,<br>Southsea.           |
|         | 1863 Apr. 14.}   | LEE .. .. .                                   | {   |
|         | 1896 May 5.}     | FOGERTY, JOSEPH .. .. .                       | { 30 West Hill, Sydenham, S.E. [Tyne.                   |
|         |                  | FOGGIN, WILLIAM .. .. .                       | { 12 Devonshire Place, Jesmond-on-                      |

| Date of Election<br>and of Transfer. |                                    | MEMBERS.  |   |
|--------------------------------------|------------------------------------|---|---|
|                                      | 1880 Dec. 7.                       | FOOT, GEORGE .. .. .  | Ferro Carril Mexicano, Mexico.  |
| ✠                                    | 1867 May 7.                        | FOOTNER, HARRY .. .. .  | L. & N. W. Ry., Crewe.  |
|                                      | 1877 May 1.                        | FORBES, EDMUND BATTEN ..  | F. C. Taltal, Taltal, Chili.  |
|                                      | 1889 Mar. 5.                       | { FORBES, <i>Professor</i> GEORGE,<br>M.A. ( <i>Cantab.</i> ), F.R.S. .. }                                  | 34 Great George Street, S.W.  |
|                                      | 1887 Dec. 6.                       | FORMAN, CHARLES DE NEUVILLE   | 160 Hope Street, Glasgow.   |
|                                      | 1866 May 1.                        | FORMAN, JAMES RICHARDSON  | 160 Hope Street, Glasgow.   |
| ✠                                    | { 1883 Mar. 6.<br>1895 Jan. 8. }   | FORREST, BENJAMIN JAMES ..  | { London and Brazilian Bank, Bahia,<br>Brazil.                                    |
|                                      | 1867 May 21.                       | { FORSTER, GEORGE BAKER,<br>M.A. ( <i>Cantab.</i> ) .. .. }   | Farnley Hill, Corbridge-on-Tyne.  |
|                                      | 1887 Apr. 5.                       | FOSTER, THOMAS BARHAM ..  | 23 John Dalton Street, Manchester.  |
|                                      | 1874 Feb. 3.                       | FOULIS, WILLIAM .. .. .   | { 2 Montgomery Quadrant, Kelvin-<br>side, Glasgow.                                |
|                                      | 1869 Feb. 2.                       | FOWLER, ALFRED MOUNTAIN ..  | 1 St. Peter's Square, Manchester.   |
|                                      | 1875 Jan. 26.                      |   |   |
|                                      | 1873 Feb. 4.                       | *FOWLER, ALPIN GRANT .. ..  | 1 Cambridge Road, Norbiton.   |
|                                      | 1883 Dec. 11.                      |   |   |
| ✠                                    | { 1871 Feb. 7.<br>1877 Dec. 18. }  | FOWLER, GEORGE .. .. .  | Basford Hall, near Nottingham.  |
|                                      | 1844 Feb. 6.                       | { FOWLER, Sir JOHN, <i>Bart.</i> ,<br>K.C.M.G., LL.D. ( <i>Edin.</i> )<br>( <i>Past-President</i> ) .. .. } | { 2 Queen Square Place, S.W. (Oligist,<br>London. Westminster 33.)                |
|                                      | 1882 Dec. 5.                       | *FOWLER, PERCIVAL .. .. .   | 2 Queen Square Place, S.W.  |
|                                      | 1888 Nov. 27.                      |   |   |
|                                      | 1869 Mar. 2.                       | FOX, ARTHUR DOUGLAS .. ..   | 1 Chesham Place, Brighton.  |
| T t m ✠                              | 1880 Nov. 2.                       | { FOX, Sir DOUGLAS .. .. .<br>( <i>Vice-President.</i> )  | 28 Victoria Street, S.W. (Traction,<br>London. Westminster 10.)                   |
| t ✠                                  | 1866 Feb. 6.                       | FOX, DANIEL MAKINSON .. ..  | Broad Street House, E.C.  |
| T ✠                                  | 1860 Apr. 3.                       | FOX, FRANCIS .. .. .  | Chelborough, Combe Park, Bath.  |
| T S t ✠                              | 1860 May 1.                        |   |   |
|                                      | { 1870 Dec. 6.<br>1874 Mar. 17. }  | FOX, FRANCIS .. .. .  | { 28 Victoria Street, S.W. (Traction,<br>London. Westminster 10.)                 |
|                                      | 1882 Mar. 7.                       | FOX, FREDERICK GEORGE BROOK   | Grindlay, Groom & Co., Bombay.  |
|                                      | 1891 Mar. 24.                      |   |   |
|                                      | 1881 Apr. 5.                       | FOX, SAMSON .. .. .   | Blairquhan Castle, Maybole, N.B.  |
| ✠                                    | 1877 Dec. 4.                       | FOX WILLIAM .. .. .   | 5 Victoria Street, S.W.   |
|                                      | 1877 Jan. 16.                      |   |   |
|                                      | 1884 May 27.                       | *FOXLEE, WILLIAM THEODORE ..  | Highfield, Alderley Edge, Cheshire.   |
| ✠                                    | { 1880 Jan. 13.<br>1883 Apr. 17. } | FRANCIS, JOSEPH .. .. .   | New River Office, Clerkenwell, E.C.   |
|                                      | 1889 Dec. 3.                       | FRANKLIN, FREDERICK AUGUSTUS  | Buona Vista, Wollongong, N.S.W.   |
|                                      | 1873 Dec. 2.                       |   |   |
|                                      | 1883 May 22.                       | FRASER, JAMES .. .. .   | { 100 Castle Street, Inverness. (Fraser,<br>Civil Engineer, Inverness.)           |
|                                      | 1895 May 21.                       | FRASER, JAMES .. .. .   | { Ry. Dept., Bridge Street, Sydney,<br>N.S.W.                                     |
| t ✠                                  | 1862 May 6.                        | FRASER, JAMES GRANT .. ..   | { 1 Gt. Chapel St., Westminster,<br>S.W.  |
|                                      | 1875 Feb. 2.                       |   |   |
|                                      | 1888 Nov. 20.                      | FRASER, PHILIP AFFLECK ..   | Moniack, Beaulieu, N.B.   |
|                                      | 1894 Jan. 9.                       | FRASER, SAMUEL GORDON ..  | 14 Westmoreland Street, Dublin.   |
| ✠                                    | { 1882 Dec. 5.<br>1889 Jan. 15. }  | FRECHEVILLE, ROBERT JAMES   | { 33 Broad Street Avenue, E.C. (Fra-<br>tribus, London. Avenue 2456.)             |
|                                      | 1887 Apr. 5.                       | FREITAS, ANTONIO DE PAULA   | { Rua Marquez d'Abrantes 82, Rio de<br>Janeiro.                                   |
| ✠                                    | { 1878 May 7.<br>1892 Jan. 26. }   | *FRIEND, CHARLES ARTHUR ..  | San Vicente 17, Seville, Spain.   |
|                                      | 1884 May 27.                       | FROUDE, ROBERT EDMUND, F.R.S.   | { Admiralty Experiment Works, Gos-<br>port. (Froude, Claremont, Alver-<br>stoke.) |
| ✠                                    | { 1864 Feb. 2.<br>1878 Jan. 29. }  | FULLER, GEORGE .. .. .  | 71 Lexham Gardens, Kensington, W.   |
|                                      | 1858 Dec. 7.                       |   |   |
|                                      | 1864 Dec. 6.                       | FULLER, GEORGE LEEDHAM ..   | Hulham House, Exmouth.  |
|                                      | 1881 Dec. 6.                       |   |   |
|                                      | 1888 Nov. 20.                      | FULTON, JAMES EDWARD ..   | W. & Manawatu Ry., Wellington, N.Z.   |



| Date of Election<br>and of Transfer. | MEMBERS.                                   |  |
|--------------------------------------|--|--|
| 1862 Dec. 2.                         | { FURNIVALL, CHARLES .. .. . } WILLOUGHBY  | { H. S. King & Co., 65 Cornhill, E.C.  |
| m { 1875 May 4.                      | * Fyson, ALFRED .. .. .                    | 1 Victoria Street, S.W.                |
| 1884 May 27.                         |  |  |
| 1877 Feb. 6.                         | { GABBETT, EDMOND RICH ..                  | { 13 St. Clair Villas, Charlton Road,  |
| 1891 Dec. 8.                         | { GAEI, CHARLES EDWARD ..                  | { Blackheath, S.E.                     |
| 1872 May 7.                          | { B.A. ( <i>Cantab.</i> ) .. .. .          | { Charlton Kings, Cheltenham.          |
| 1878 May 14.                         |  |  |
| 1886 May 18.                         | { GAHAN, HENRY HERBERT ..                  | { Grindlay & Co., Parliament St., S.W. |
| 1892 Apr. 26.                        |  |  |
| 1865 Mar. 7.                         | { GALBRAITH, WILLIAM ..                    | { 20 Victoria Street, S.W. (West-      |
| 1864 Feb. 2.                         | { ROBERT ( <i>Member of Council.</i> )     | { minster 252.)                        |
| 1884 Feb. 5.                         | { GALE, JAMES MORRIS .. ..                 | { 45 John Street, Glasgow.             |
| 1896 Dec. 15.                        | { GALE, ROBERT MACNISH ..                  | { P.W.D., Bon Marché, Howick Street,   |
| 1886 Jan. 12.                        | { GALIZIA, EMMANUEL LEWIS ..               | { Perth, Western Australia.            |
|                                      |  | { 64 Strada Vescovo, Valetta, Malta.   |
| 1886 Mar. 2.                         | { GALLOWAY, CHARLES JOHN ..                | { Knott Mill Ironworks, Manchester.    |
| ✠ 1886 Dec. 7.                       | { GALWEY, WILLIAM, M.A.I. ( <i>Dubl.</i> ) | { (Galloway, Manchester.)              |
| 1891 Mar. 3.                         | { GAMBLE, FRANCIS CLARKE ..                | { Waterworks Co., Monte Video.         |
| 1867 Dec. 3.                         | { GANDON, CHARLES .. .. .                  | { P.W.D., Victoria, British Columbia.  |
| 1881 May 31.                         | { GANGE RAM, <i>Rai Bahadur</i> ..         | { 16 Tressillian Crescent, Brockley,   |
| 1883 Dec. 4.                         | { GARBETT, HUBERT .. .. .                  | { S.E.                                 |
| 1888 Nov. 20.                        |  | { P. W. D., Lahore, India.             |
| 1876 Dec. 5.                         | { GARDINER, JOSEPH JONES ..                | { Rushen House, Castletown, Isle of    |
| 1896 Jan. 21.                        | { GARFORTH, WILLIAM EDWARD ..              | { Man.                                 |
| 1891 Mar. 3.                         | { GARLAND, JOSEPH .. .. .                  | { East Glen, Bideford, Devon.          |
| 1897 Jan. 12.                        |  |  |
| 1873 Dec. 2.                         | { GARLAND, WALTER FAITHFULL ..             | { Halesfield, Normanton, Yorks.        |
| 1887 Oct. 25.                        | { GARLICK, EDWARD .. .. .                  | { 39 Sisters Avenue, Clapham, S.W.     |
| 1861 Jan. 8.                         | { GARRETT, FRANK .. .. .                   | { E. I. Ry., Karamnasa, India.         |
| 1869 May 11.                         |  |  |
| 1880 Dec. 21.                        | { GARWOOD, ALFRED EDWARD ..                | { 21 Winckley Square, Preston. (28.)   |
| 1872 Jan. 9.                         | { GASKELL, JAMES STRANACK ..               | { Leiston Works, Suffolk. (Garrett,    |
| 1878 Feb. 26.                        |  | { Leiston.) [Mon.                      |
| 1883 Dec. 4.                         |  |  |
| 1892 Feb. 9.                         | { GASKELL, THOMAS PENN ..                  | { Hazlewood, Stow Park, Newport,       |
| 1868 Dec. 1.                         | { GASKIN, DONALD MACDONALD ..              | { Surrey Commercial Docks, Rother-     |
| 1885 Dec. 15.                        | { FORD .. .. .                             | { hithe, S.E.                          |
| 1875 Mar. 2.                         |  |  |
| 1881 Nov. 29.                        | { GATES, WILLIAM HAYDEN ..                 | { 14 Victoria Street, S.W.             |
| 1882 Dec. 5.                         | { GATHERER, ARTHUR BRANDER ..              | { 22 Lord Street, Liverpool.           |
| 1897 Apr. 6.                         | { GAUNTLETT, DEAN .. .. .                  | { 9 Park Avenue, Willesden Park,       |
| 1882 May 2.                          |  | { N.W.                                 |
| 1879 May 6.                          | { GAVEY, GEORGE EDWARD ..                  | { P. W. D., Myingyan, Burma.           |
| 1885 Feb. 24.                        | { GEE, WILLIAM .. .. .                     | { Hyderabad, Deccan, India.            |
| 1864 May 3.                          |  |  |
| 1891 Dec. 1.                         | { GEOGHEGAN, HENRY THOMAS ..               | { 7 Westbourne Villas, West Brighton.  |
|                                      |  | { Govt. Rys., Lagos, West Africa.      |
| 1873 Dec. 2.                         | { GERRARD, ARTHUR STAPLES ..               | { Cumnor, near Oxford.                 |
| 1877 Jan. 16.                        |  |  |
| 1888 Nov. 27.                        | { GHEWY, ALBERT BROWN ..                   | { P.W.D., Kathiwakam, India.           |
| 1876 Mar. 7.                         | { GIBBONS, THOMAS HUGHES ..                | { Pernambuco; and Thatched House       |
| 1879 May 27.                         | { GIBSON, ARTHUR SUMNER, ..                | { Club, St. James's, S.W.              |
| 1882 Jan. 10.                        | { M.A. ( <i>Oxon.</i> ) .. .. .            | { G. W. Ry., Eng.'s Office, Plymouth.  |
| 1888 Dec. 4.                         |  |  |
| 1892 Dec. 6.                         | { GILBERT, CHARLES FREDERICK ..            | { Bracondale, Binfield, Bracknell.     |
|                                      |  | { H. S. King & Co., 45 Pall Mall, S.W. |

| Date of Election<br>and of Transfer. |   | MEMBERS                        |   |
|--------------------------------------|---|--------------------------------|---|
| 1884 May 6.                          | { | GILCHRIST, PERCY CARLYLE,      | Frogna! Bank, Finchley Rd., N.W.                                    |
| 1874 Dec. 1.                         | { | F.R.S. .. .. .                 |   |
| 1887 Feb. 15.                        | } | GILCHRIST, WILLIAM GILCHRIST   | Grindlay, Groom & Co., Bombay.                                      |
| 1881 Feb. 1.                         | } | GILES, GEORGE FREDERICK LEE    | Harbour Engineer, Belfast.  |
| 1888 May 8.                          | } |                                |   |
| 1886 Apr. 6.                         | } | GILKES, GILBERT .. .. .        | Lynnside, Kendal.   |
| 1892 Dec. 6.                         | } |                                |   |
| 1874 Jan. 13.                        | } | GILL, WILLIAM .. .. .          | { Orconera Iron Ore Co., Apartado 42,<br>Bilbao, Spain.             |
| 1881 Mar. 15.                        | } | GILLHAM, ROBERT .. .. .        | { Kansas City, Mo., U.S.  |
| 1897 Dec. 7.                         | } |                                | { Butterley Ironworks, Derby. (But-<br>terley, Alfreton.)           |
| ✠ 1884 Jan. 8.                       | } | GILLOTT, THOMAS .. .. .        | { Eng.'s Office, G.E. Ry., Liverpool                                |
| 1897 Apr. 6.                         | } | GISBORNE, JOHN BYRON.. ..      | 9 Victoria Street, S.W. [St., E.C.                                  |
| 1898 Apr. 5.                         | } | GLASGOW, ARTHUR GRAHAM..       |   |
| 1898 Apr. 26.                        | } |                                |   |
| 1876 Dec. 5.                         | } | GLASS, JAMES GEORGE HENRY,     | 1 Courtfield Gardens, Castle Hill,                                  |
| 1881 Dec. 6.                         | } | C.I.E. .. .. .                 | Ealing W.   |
| 1896 Mar. 3.                         | } | GLEIM, CHARLES OTTO .. ..      | { Schillerstrasse 3, Hamburg-Uhlen-<br>horst, Germany.              |
| 1885 Apr. 14.                        | } | GLOVER, EDWARD,                | 19 Prince Patrick Terrace, North                                    |
| 1891 Apr. 28.                        | } | M.A., B.A.I. (Dubl.) .. ..     | { Circular Rd., Dublin.   |
| 1879 May 6.                          | * | GODFREY, WILLIAM BERNARD       | 23 St. Swithin's Lane, E.C.   |
| 1895 Mar. 12.                        | * |                                |   |
| 1879 May 27.                         | * | GOLDSMITH, ALFRED JOSEPH ..    | { Lillington, Moray St., New Farm,                                  |
| 1883 May 8.                          | * |                                | { Brisbane, Queensland.   |
| 1873 Feb. 4.                         | * | GOLDSON, CHARLES BROWNE,       | 9 Bath Terrace, Tynemouth.  |
| 1877 Dec. 11.                        | * | M.A. (Cantab.) .. .. .         |   |
| 1895 Feb. 5.                         | * | GOLDWYER, JOHN EDWARD ..       | { Witford House, Briton Ferry, N.<br>Wales.                         |
| 1869 Dec. 7.                         | * |                                |   |
| 1879 Feb. 25.                        | * | GOLLA, LUCIEN ALEXANDER ..     | Via Amedeo 45, Naples.  |
| 1854 May 2.                          | * | GOOCH, JOHN VIRET .. ..        | Coopers Hill, Bracknell, Berks.                                     |
| 1874 May 12.                         | * | GOOCH, WILLIAM FREDERICK       | 17 Church Road, St. Leonards-on-Sea.                                |
| 1879 Feb. 4.                         | * | GOOD, CHARLES .. .. .          | P.W.D., Perth, Western Australia.                                   |
| 1889 Apr. 30.                        | * |                                |   |
| 1886 Feb. 2.                         | * | GOOD, WILLIAM .. .. .          | Lisnalee, Ballintemple, Cork.                                       |
| 1883 Mar. 6.                         | * | GODDALL, JOHN .. .. .          | Park Road, Auckland, N.Z.   |
| 1880 Jan. 13.                        | * |                                |   |
| 1893 Dec. 19.                        | * | GOODWIN, GEORGE ABRAHAM        | 28 Victoria Street, S.W.  |
| 1892 Dec. 6.                         | * | GOODWIN, GILBERT SMITH ..      | { 19 James Street, Liverpool. (Win-<br>good, Liverpool.)            |
| 1878 Feb. 5.                         | * | GOODWIN, SINGLETON,            |   |
| 1891 Jan. 27.                        | * | B.A.I. (Dubl.)                 | County Surveyor, Tralee, co. Kerry.                                 |
| 1884 Feb. 5.                         | * | GORDON, ALBERT, M.A.I. (Dubl.) | Gt. S. & W. Ry., Cork. [toria.                                      |
| T t ✠ 1867 Dec. 3.                   | * | GORDON, GEORGE .. .. .         | Ellerslie, Toorak, Melbourne, Vic.                                  |
| T t ✠ 1874 Dec. 1.                   | * | GORDON, ROBERT .. .. .         | H.S. King & Co., 45 Pall Mall, S.W.                                 |
| 1863 Apr. 14.                        | * |                                |   |
| 1867 Apr. 30.                        | * | GOTT, CHARLES .. .. .          | Bradford, Yorkshire.  |
| 1884 Apr. 1.                         | * |                                |   |
| 1890 Nov. 11.                        | * | GOTTO, FRANK .. .. .           | { 119 Gresham House, Old Broad<br>Street, E.C.                      |
| ✠ 1866 May 15.                       | * |                                |   |
| ✠ 1877 Dec. 11.                      | * | GOWER, CHARLES FOOTE ..        | Nova Scotia House, Ipswich.   |
| 1873 Apr. 1.                         | * |                                |   |
| 1882. Jan. 3.                        | * | *GRAHAM, CHARLES BENJAMIN      | 31 Onslow Gardens, S.W.   |
| 1889 Dec. 3.                         | * | { GRAHAM, GEORGE .. .. .       | { Caledonian Ry., Buchanan Street,<br>(Member of Council.) Glasgow. |
| 1891 Dec. 1.                         | * |                                |   |
| 1897 Dec. 21.                        | * | GRAHAM, JOHN .. .. .           | G.I.P. Ry., Bombay.   |
| 1874 Mar. 3.                         | * |                                |   |
| 1879 Nov. 25.                        | * | *GRAHAM, MALCOLM .. ..         | { Central Argentine Ry., Rosario,<br>Argentina.                     |
| 1857 Feb. 3.                         | * | GRAHAM, ROBERT WILFRID ..      | 24 Brunswick Square, Brighton.                                      |
| 1896 May 19.                         | * | GRAHAM, WILLIAM VAUX ..        | 5 Queen Anne's Gate, S.W.   |

| Date of Election<br>and of Transfer. |  | MEMBERS.                                   |  |
|--------------------------------------|--|--|--|
| 1875 Dec. 7.}                        |  | *GRANT-DALTON, ALAN ..                     | East London, Cape Colony.                              |
| 1884 Mar. 25.}                       |  |  |  |
| 1881 Feb. 1.}                        |  | *GRANT-DALTON, MALCOLM ..                  | {Transandino Ry., Mendoza, Argentina.                  |
| 1890 May 20.}                        |  |  |  |
| 1874 Jan. 13.}                       |  | GRANTHAM, RICHARD FUGE ..                  | {Northumberland Chambers, Northumberland Avenue, W.C.  |
| 1886 Apr. 6.}                        |  |  |  |
| 1878 Dec. 3.}                        |  | GRAY, GEORGE EDWARD ..                     | {1115 Bush St., San Francisco, U.S.                    |
| 1891 Mar. 3.}                        |  | GRAY, HENRY ALFRED ..                      | {D.P.W., Confederation Life Building, Toronto, Canada. |
| 1890 Mar. 4.}                        |  |  |  |
| 1888 Feb. 7.}                        |  | GRAY, ROBERT KAYE ..                       | {106 Cannon Street, E.C.                               |
| 1876 Mar. 7.}                        |  | GRAY, THOMAS ..                            | {Underhill, Port Talbot, S. Wales.                     |
| 1886 Dec. 7.}                        |  | GREENBANK, HENRY ..                        | {38 Mount Park Rd., Ealing, W.                         |
| 1870 Feb. 1.}                        |  | GREENE, WILLIAM HENRY ..                   | {Australian Club, Melbourne, Victoria.                 |
| 1887 Mar. 1.}                        |  | {GREENWELL, GEORGE CLEMENT-SON ..          | {Duffield, Derby.                                      |
| 1881 Dec. 6.}                        |  | {GREENWELL, GEORGE CLEMENT-SON, JUN. ..    | {Poynton, Cheshire.                                    |
|                                      |  | GREENWOOD, ARTHUR ..                       | {Albion Works, Leeds. (Greenwood, Leeds.)              |
| W t ✕ {1881 May 31.}                 |  | GREENWOOD, WILLIAM HENRY.                  | {Adderley Park Works, Birmingham.                      |
| 1886 Dec. 7.}                        |  |  | {(Ammunition, Birmingham. 341.)                        |
| 1882 Dec. 5.}                        |  | GREGORY, GEORGE ..                         | {G.I.P. Ry., Akola, Berar, India.                      |
| 1896 Jan. 21.}                       |  | GRESHAM, JAMES ..                          | {Craven Ironworks, Manchester.                         |
| 1885 Dec. 1.}                        |  |  | {(Brake, Manchester. 613.)                             |
| 1893 Jan. 10.}                       |  | GRIERSON, THOMAS BENJAMIN                  | {L. D. and E. C. Ry., Chesterfield.                    |
| 1895 Feb. 12.}                       |  |  |  |
| 1897 Jan. 12.}                       |  | *GRIERSON, WILLIAM WYLIE ..                | {G. W. Ry., Chipping Sodbury, Glos.                    |
| 1896 Apr. 14.}                       |  | GRIFFIN, EUGENE ..                         | {Albany, New York, U.S.                                |
| 1875 Dec. 7.}                        |  | GRIFFITH, FREDERICK ..                     | {Waterworks Office, Leicester.                         |
| 1886 Nov. 2.}                        |  |  |  |
| m ✕ {1877 Dec 4.}                    |  | GRIFFITH, JOHN PURSER ..                   | {Port and Docks Office, Dublin.                        |
| 1883 May 29.}                        |  |  |  |
| 1897 Apr. 6.}                        |  | GRIFFITH, NATHANAEL ROBERT.                | {Plasnewydd, Ruabon.                                   |
| 1888 Feb. 7.}                        |  | GRIFFITHS, THOMAS ..                       | {Water & Sewerage Dept., Pitt St., Sydney, N.S.W.      |
| 1897 Dec. 7.}                        |  |  |  |
| 1888 Dec. 4.}                        |  | GRINSHAW, JAMES WALTER ..                  | {Australian Club, Sydney, N.S.W.                       |
| 1893 Feb. 28.}                       |  |  |  |
| 1897 Dec. 7.}                        |  | GRIMSTON, GEORGE SYLVESTER                 | {27 Glenluce Rd., Blackheath, S.E.                     |
| 1892 Dec. 6.}                        |  | GRINLING, ARTHUR JAMES ..                  | {32 Friar Gate, Derby.                                 |
| 1883 Mar. 6.}                        |  | GROTHE, ALBERT ..                          | {Payette, Idaho, U.S.                                  |
| 1875 Mar. 2.}                        |  | GROVES, HERBERT ..                         | {P.W.D., Mandalay, Burma.                              |
| 1883 Jan. 9.}                        |  | {GRÜNEWALD, JORGE RADE-MAKER ..            | {Rua de Leste, Rio de Janeiro.                         |
| ✕ 1884 Apr. 1.}                      |  |  |  |
| ✕ 1883 Dec. 4.}                      |  | GUPPY, THOMAS RICHARD ..                   | {Naples.   |
| 1856 Feb. 5.}                        |  | GWYNNE, JAMES EGLINTON AN-DEKSON ..        | {Brook Street Works, Holborn, E.C.                     |
| 1870 Apr. 26.}                       |  |  | {(Gwynnegram, London.)                                 |
| 1870 Mar. 1.}                        |  | GWYNNE, JOHN ..                            | {64 Cannon Street, E.C.                                |
| 1881 Dec. 6.}                        |  | HACK, HENRY ..                             | {Gasworks, Saltley, Birmingham.                        |
| 1884 Feb. 5.}                        |  | HACK, RICHARD ..                           | {Chelsea Waterworks, Surbiton.                         |
| 1896 Feb. 4.}                        |  | {HACKETT, EDWARD AUGUSTUS, M.E. (Royal) .. | {Melbrook, Clonmel, co. Tipperary.                     |
| 1893 Dec. 5.}                        |  |  |  |
| 1879 Feb. 4.}                        |  | *HADDON, HENRY EDMUNDS ..                  | {Horsham, Martley, Worcester.                          |
| 1893 Feb. 21.}                       |  |  |  |
| T t ✕ {1887 Mar. 1.}                 |  | HADFIELD, ROBERT ABBOTT ..                 | {Hecla Steel Foundry, Sheffield.                       |
| 1896 Jan. 21.}                       |  |  |  |

| Date of Election<br>and of Transfer. | MEMBERS.                                 |   |
|--------------------------------------|--|---|
| 1881 May 3.                          | HAIRE, ROBERT .. ..                      | { 97 St. Lawrence Road, Clontarf,<br>co. Dublin.  |
| 1879 Feb. 4.}                        | HALES, WILLIAM PRIOR .. ..               | Ry., Strahan, Tasmania.   |
| 1891 Dec. 15.}                       |  |   |
| ✠ { 1858 Dec. 7. }                   | HALL, WILLIAM .. ..                      | { 3 Eton Villas, South Hampstead,<br>N.W.   |
| 1881 Feb. 22. }                      |  |   |
| 1885 Feb. 3. }                       | HALL, WILLIAM SILVER .. ..               | { 9A Tsukiji, Tokio, Japan. (Silverhall,<br>Tokio.)                                     |
| 1897 Mar. 29. }                      |  |   |
| 1880 Dec. 7. }                       | HALLETT, HOLT SAMUEL .. ..               | 35 Bryanston Street, W.   |
| 1886 Dec. 7. }                       |  |   |
| 1890 Feb. 4. }                       | HALLETT, JOHN HARRY .. ..                | Bute Docks, Cardiff.  |
| 1871 May 2. }                        |  |   |
| 1880 Feb. 27. }                      | HALPIN, DRUITT .. ..                     | { 17 Victoria Street, S.W. (Halpin,<br>London. Westminster 75.)                         |
| 1888 Mar. 6. }                       |  |   |
| 1879 Dec. 2. }                       | HAMILTON, ARCHIBALD .. ..                | New Dock Works, Govan, N.B.<br>Tranways Trust, 497 Collins St.,<br>Melbourne, Victoria. |
| 1877 Jan. 16. }                      |  |   |
| ✠ { 1880 Dec. 14. }                  | HAMILTON - SMYTHE, ARTHUR .. ..          | Paul's Cray Hill, St. Paul's Cray,<br>Kent.   |
| 1875 Mar. 2. }                       |  |   |
| 1884 Jan. 2. }                       | HAMMOND, WALTER JOHN .. ..               | 36 Lime Street, E.C.  |
| 1885 Dec. 1. }                       |  |   |
| 1887 May 3. }                        | *HANNA, SAMUEL .. ..                     | 33 Great George Street, S.W.  |
| 1897 Mar. 29. }                      |  |   |
| 1887 Dec. 6. }                       | HANNAFORD, EDMUND PHILLIPS .. ..         | { 2573 St. Catherine Street, Montreal,<br>Canada.                                       |
| 1877 May 29. }                       |  |   |
| 1885 Feb. 3. }                       | HANSON, CHARLES RASTRICK .. ..           | Railways, Perak, S.S.   |
| 1883 May 1. }                        |  |   |
| 1894 Mar. 6. }                       | *HANSON, EDWARD BEVERSHAM .. ..          | { Bedford House, Bedford Street,<br>Plymouth.   |
| 1887 May 24. }                       |  |   |
| 1891 Jan. 13. }                      | HARDING, JOHN REGINALD .. ..             | { Engineer-in-Chief, Imperial Mari-<br>time Customs, Shanghai, China.                   |
| 1872 Mar. 5. }                       |  |   |
| ✠ { 1877 Apr. 17. }                  | HARDING, JOSIAH .. ..                    | 46 Finsbury Square, E.C.  |
| 1863 Apr. 14. }                      |  |   |
| 1879 Feb. 4. }                       | { HARGRAVE, CHARLES TOWNS-<br>HEND .. .. | { Inspector General of Roads, Adelaide,<br>South Australia.                             |
| 1885 Dec. 1. }                       |  |   |
| 1884 Dec. 2. }                       | { HARGRAVE, HENRY JAMES .. ..            | { B. B. & C. I. Ry., 45 Finsbury<br>Circus, E.C.  |
| 1896 Jan. 28. }                      |  |   |
| 1890 Dec. 2. }                       | *HARGRAVE, HENRY WILLIAM .. ..           | { Kent Terrace, Norwood, South Aus-<br>tralia.  |
| 1881 May 31. }                       |  |   |
| 1888 Nov. 27. }                      | *HARRINGTON, HERBERT SEPTIMUS .. ..      | P.W.D., Rawal Pindi, India.   |
| 1881 Apr. 5. }                       |  |   |
| 1874 Dec. 1. }                       | HARPUR, WILLIAM .. ..                    | 197 Severn Road, Cardiff.   |
| 1882 Feb. 28. }                      |  |   |
| 1874 Dec. 1. }                       | HARRINGTON, TIMOTHY .. ..                | 73 Highbury New Park, N.  |
| 1882 Feb. 28. }                      |  |   |
| 1874 Dec. 1. }                       | HARRIS, EDMUND LEIGH .. ..               | Odessa, Russia.   |
| 1882 Feb. 28. }                      |  |   |
| 1848 Mar. 7. }                       | HARRIS, GEORGE WILLIAM .. ..             | Millicent, South Australia.   |
| 1858 Jan. 26. }                      |  |   |
| 1877 L. c. 4. }                      | HARRIS, HENRY GRAHAM .. ..               | { 5 Great George Street, S.W. (Well-<br>bram, London. Westminster 60.)                  |
| 1886 Nov. 16. }                      |  |   |
| 1874 Apr. 14. }                      | HARRIS, RICHARD READER, Q.C. .. ..       | 51 Clapham Common North, S.W.   |
| 1879 May 27. }                       |  |   |
| ✠ { 1877 Apr. 10. }                  | HARRISON, CHARLES AUGUSTUS .. ..         | N.E. Ry., Newcastle-on-Tyne.  |
| 1892 Dec. 6. }                       |  |   |
| 1896 May 5. }                        | HARRISON, JOHN ERNEST .. ..              | 160 Hope Street, Glasgow.   |
| 1857 Apr. 7. }                       |  |   |
| 1864 Apr. 12. }                      | HARRISON, JOSEPH .. ..                   |   |
| 1870 May 3. }                        |  |   |
| ✠ { 1881 May 31. }                   | HART, JOHN HENRY EUSTACE .. ..           | H. S. King & Co., 65 Cornhill, E.C.   |
| 1856 Dec. 2. }                       |  |   |
| ✠ { 1862 Apr. 1. }                   | { HART, JOHN WILLIAM .. ..               | 39 Victoria Street, S.W.  |
| 1874 Dec. 1. }                       |  |   |
| 1882 Apr. 18. }                      | { HARTLEY, Sir CHARLES, .. ..            | 26 Pall Mall, S.W.  |
| 1866 Mar. 6. }                       |  |   |
| ✠ { 1862 Apr. 1. }                   | { K.C.M.G., F.R.S.E. .. ..               |   |
| 1874 Dec. 1. }                       |  |   |
| 1882 Apr. 18. }                      | HARVEY, WILLIAM .. ..                    | B. B. & C. I. Railway, Bombay.  |
| 1866 Mar. 6. }                       |  |   |
| 1866 Mar. 6. }                       | HASSARD, RICHARD .. ..                   | 1 Victoria Street, S.W.   |
| 1866 Mar. 6. }                       |  |   |



|       | Date of Election<br>and of Transfer. | MEMBERS.   |  |
|-------|--------------------------------------|--|--|
|       | † 1855 May 5.                        | HASWELL, CHARLES HAYNES ..   | 42 Broadway, New York, U.S.  |
|       | † { 1879 May 6.<br>1889 Nov. 15. }   | HAWGOOD, HARRY .. .. .   | { Bradbury Building, Los Angeles,<br>Calif., U.S.                          |
|       | 1892 Apr. 5.                         | HAWKS, JAMES DUDLEY .. ..  | Mackinac Ry., Detroit, Mich., U.S.   |
| W m   | † { 1867 Feb. 5.<br>1874 Mar. 10. }  | { HAWKSHAW, JOHN CLARKE,<br>M.A. ( <i>Cantab.</i> ), ( <i>Member of</i><br><i>Council.</i> ) .. .. . } | 23 Great George Street, S.W.   |
|       | 1867 May 21.                         | { HAWKSLEY, CHARLES ( <i>Mem-</i><br><i>ber of Council.</i> ) .. .. . }                                | 30 Great George Street, S.W.   |
| W t   | † { 1892 May 3.<br>1895 Jan. 8. }    | HAY, DAVID .. .. .   | 8 Queen Anne's Gate, S.W.  |
|       | 1896 Feb. 4.                         | HAY, GEORGE .. .. .  | Chipping Sodbury, Gloucestershire.   |
|       | 1891 Dec. 1.                         | { HAY, PETER SETON,<br>M.A. ( <i>New Zealand</i> ) .. .. }   | P.W.D., Wellington, N.Z.   |
|       | † { 1881 Mar. 1.<br>1885 Feb. 24. }  | HAY, ROBERT .. .. .  | Dunedin, N.Z.  |
|       | 1883 Apr. 3.                         |  |  |
|       | 1892 Nov. 8.                         | HAYES, EDWARD .. .. .  | Stony Stratford.   |
| W t   | † 1875 Mar. 2.                       | HEAD, JEREMIAH .. .. .   | { 47 Victoria St., S.W. ( <i>Principium</i> ,<br>London. Westminster 237.) |
|       | 1884 Dec. 2.                         | HEARSON, THOMAS ALFRED, R.N.   | Royal Indian Eng. Coll., Staines.  |
|       | 1890 Feb. 4.                         | HEBBERT, FREDERICK BENBOW  | Under Secy. to Govt., Simla, India.  |
| m     | † { 1864 Jan. 12.<br>1868 Dec. 18. } | HEDERSTEDT, HENRY BURDETT  | { Twyford Lodge, Southlands Rd.,<br>Bickley.                               |
| t m   | † { 1876 Mar. 7.<br>1884 Dec. 23. }  | * HEDGES, KILLINGWORTH .. ..   | 92 Victoria St., S.W. ( <i>Soojee</i> , London.)                           |
|       | 1879 Dec. 2.                         | HEENAN, GEORGE FREDERIC  | 21 Clarinda Park East, Kingstown,  |
|       | 1886 Feb. 16.                        | HAMMERSLEY .. .. .   | co. Dublin.  |
| C     | † { 1872 Feb. 6.<br>1876 Mar. 21. }  | HEENAN, HAMMERSLEY .. ..   | 4 Chapel Walks, Manchester.  |
|       | † 1884 Feb. 5.                       | { HEENAN, ROBERT HENRY<br>HAMMERSLEY .. .. . }   | Engineer's Office, Port Elizabeth,<br>C.C.                                 |
| W t M | † { 1880 Dec. 7.<br>1887 Apr. 5. }   | * HELE-SHAW, <i>Professor</i> HENRY  | University College, Liverpool.   |
|       | 1885 May 19.                         | SELBY, LL.D. ( <i>St. Andrew's</i> )   |  |
|       | 1896 Dec. 22.                        | * HELLINS, HENRY HERBERT ..  | Engineer's Office, City Hall, Dublin.                                      |
|       | 1878 Apr. 2.                         | * HEMANS, ARTHUR WILLOUGHBY  | { 7 Kingsley Mansions, West Ken-<br>sington, W.                            |
| m     | † { 1866 Mar. 6.<br>1874 Nov. 24. }  | HENDERSON, DAVID MARR ..   |  |
| T     | † { 1855 Feb. 6.<br>1877 Nov. 27. }  | HENDERSON, JAMES .. ..   | Newham, Truro, Cornwall.   |
|       | 1880 Dec. 7.                         | HENDERSON, JOHN BAILLIE ..   | Brisbane, Queensland.  |
|       | 1884 Nov. 4.                         |  |  |
|       | 1885 May 5.                          | HENDERSON, WILLIAM .. ..   | { B. Huntsman, 3 McArthur Place,<br>Carlton, Melbourne, Victoria.          |
|       | 1896 Nov. 16.                        |  |  |
|       | 1869 Jan. 12.                        | HENNEL, THOMAS .. ..   | 6 Delahay St., Westminster, S.W.   |
|       | 1882 Mar. 21.                        |  |  |
|       | 1874 Feb. 3.                         | HENSLOWE, CECIL WILLIAM  | Pinewood, Grayshott, Liphook,  |
|       | 1882 Nov. 7.                         | EDWARD .. .. .   | Hauts.   |
|       | 1869 Dec. 7.                         | HENSLOWE, FRANCIS BOYLE ..   | Syndal, Dartmouth.   |
|       | 1879 Feb. 4.                         |  |  |
|       | 1877 Mar. 6.                         | HEPWORTH, JOSEPH .. ..   | Buccleuch St. Works, Edinburgh.  |
|       | 1889 Nov. 26.                        |  |  |
|       | 1883 May 29.                         | HERING, RUDOLPH .. ..  | 100 William St., New York City, U.S.                                       |
|       | 1886 Nov. 16.                        |  |  |
|       | 1875 May 4.                          | HERRING, JOHN WILLIAM ..   | { River Wear Commission, Sunder-<br>land.                                  |
|       | 1893 Jan. 10.                        |  |  |
|       | 1890 Dec. 2.                         | HERSCHEL, CLEMENS .. ..  | 2 Wall St., New York, U.S.   |
|       | 1880 May 4.                          | * HERVEY, MATTHEW WILSON   | { West Middlesex Waterworks, Ham-<br>mersmith, W.                          |
|       | 1891 May 5.                          |  |  |
|       | 1880 May 4.                          | * HESKETH, EVERARD .. ..   | Dartford Ironworks, Kent.  |
|       | 1893 Nov. 14.                        |  |  |

| Date of Election<br>and of Transfer. | MEMBERS.                    |   |
|--------------------------------------|-----------------------------|---|
| 1885 May 19.                         | HESLOP, THOMAS HIND BLUMER  | County Surveyor, Norwich.                   |
| 1896 Nov. 16.                        | HETHERINGTON, JOHN MUIR ..  | 19 Upper Grosvenor Street, W.               |
| 1876 Dec. 5.                         | HEWSON, THOMAS .. .. .      | City Engineer, Leeds.                       |
| 1881 Jan. 11.                        |                             |   |
| 1883 May 1.                          | HEYLAND, HERBERT KYFFIN     | { 15 Waldegrave Park, Strawberry Hill, S.W. |
| 1892 Nov. 8.                         |                             |   |
| 1874 Feb. 3.                         | HICKSON, ROBERT ROWAN PUR-  | { Under Secy. and Commr. for Roads,         |
| 1876 Feb. 8.                         | DON .. .. .                 | { P.W.D., Sydney, N.S.W.                    |
| 1890 Apr. 1.                         | HIGGINS, ANDREW FRANK ..    | { P. W. D., Yeothmal, Berar, India.         |
| ✠ { 1888 Dec. 4.                     | HIGGINS, GEORGE .. .. .     | { Killenna, Sorrett Avenue, Malvern,        |
| ✠ { 1895 Jan. 22.                    |                             | { Melbourne, Victoria.                      |
| t ✠ { 1867 Feb. 5.                   | HIGGINSON, HARRY PASLEY ..  | Wellington, N.Z.                            |
| ✠ { 1871 Dec. 5.                     |                             |   |
| 1882 May 23.                         | HIGHAM, THOMAS, C.I.E. ..   | Irrigation Dept., Lahore, India.            |
| 1878 Dec. 3.                         | HIGSON, JACOB .. .. .       | { 18 Booth Street, Manchester.              |
| 1878 Dec. 3.                         | HIGSON, JOHN .. .. .        | { (Mining, Manchester. 1034).               |
| ✠ { 1887 Feb. 1.                     | HILL, ARTHUR EDMUND BRE-    | { New Westminster, British Colum-           |
| ✠ { 1891 Nov. 3.                     | TON, B.A.Sc. (McGill) ..    | { bia.                                      |
| ✠ { 1891 Dec. 1.                     | HILL, ERNEST PRESCOT ..     | 3 Victoria Street, S.W.                     |
| ✠ { 1894 Jan. 16.                    | { HILL, GEORGE HENRY        | { 3 Victoria Street, S.W. (Thirlspot,       |
| T t ✠ { 1872 Feb. 6.                 | { (Member of Council) ..    | { London.)                                  |
| 1887 Dec. 6.                         | HILL, HENRY ASHTON .. ..    | { South Staffs. Waterworks, Birming-        |
| 1896 Feb. 4.                         |                             | { ham.                                      |
| 1875 Dec. 7.                         | HILL, HENRY ELLIS .. ..     | 9 Victoria Street, S.W.                     |
| 1890 Apr. 22.                        |                             |   |
| 1877 Dec. 4.                         | HILL, JAMES NINIAN .. ..    | 41 Chaucer Road, Acton, W.                  |
| 1882 Apr. 4.                         | { HILLMAN, CHARLES LA       | { Alameda 18, Santiago, Chili.              |
|                                      | { FLETCHER .. .. .          |   |
| 1871 Mar. 10.                        | HILTON, JOHN EDWARD ..      | { c.o. Delhi & London Bank,                 |
| 1883 Nov. 13.                        |                             | { 123 Bishopsgate St. Within, E.C.          |
| 1889 Jan. 8.                         | *HINNELL, HENRY LEONARD ..  | 41 Corporation St., Manchester.             |
| 1896 Jan. 21.                        |                             |   |
| 1879 Feb. 4.                         | HOARE, EDWARD ARTHUR ..     | Lake St. John Ry., Quebec, Canada.          |
| 1895 Feb. 26.                        |                             |   |
| 1883 May 1.                          | HOBSON, GEORGE ANDREW ..    | 28 Victoria Street, S.W.                    |
| 1885 Dec. 15.                        |                             |   |
| 1886 May 4.                          | HOBSON, JOSEPH .. .. .      | Grand Trunk Ry., Montreal, Canada.          |
| 1881 Dec. 6.                         | *HODGES, ROBERT NATHANIEL   | { East Hopetown, Dehra Doon,                |
| 1891 Nov. 5.                         |                             | { N.W.P., India.                            |
| 1885 Feb. 3.                         |                             |   |
| 1893 Nov. 7.                         | HODGSON, HARRISON .. ..     | 9 Gracechurch Street, E.C.                  |
| 1878 Feb. 5.                         | *HODGSON, WILLIAM .. ..     | Eng.'s Office, Midland Ry., Derby.          |
| 1886 Mar. 23.                        |                             |   |
| 1879 Feb. 4.                         | *HODSON, CHARLES WILLIAM .. | Grindlay, Groom & Co., Bombay.              |
| 1891 Nov. 5.                         |                             |   |
| 1870 Mar. 1.                         | HODSON, GEORGE .. .. .      | { Abbey Buildings, Princes St., West-       |
| 1886 Apr. 13.                        |                             | { minster, S.W. (Output, London.)           |
| 1881 Dec. 6.                         | HOGAN, JOHN POICTEVIN LEMON | Grindlay, Groom & Co., Bombay.              |
| 1891 Feb. 17.                        |                             |   |
| 1877 Dec. 4.                         | HOGARTH, DAVID FRANCIS ..   | Rivershill, Cheltenham.                     |
| 1886 Apr. 6.                         | HOGG, ALEXANDER LAUDER ..   | 2 Portland Place, Inverness.                |
| 1878 Feb. 5.                         | HOGG, CHARLES PULLAR ..     | { 175 Hope Street, Glasgow. (Crouch,        |
|                                      |                             | { Glasgow.)                                 |
| 1882 Feb. 7.                         | { HOLDEN, JAMES .. .. .     | { G. E. Ry., Stratford, E. (Eastden,        |
| 1887 May 24.                         |                             | { London.)                                  |
| 1884 May 27.                         | HOLLAND, CALVERT BERNARD    | Hazel Villa, Thicket Rd., Anerley, S.E.     |
| 1861 Apr. 9.                         | HOLLINGSWORTH, CHARLES      | { 150 Bedford Hill, Balham, S.W.            |
| 1879 Jan. 7.                         | { ERNEST .. .. .            |   |
| 1880 Feb. 3.                         |                             |   |
| 1896 Feb. 25.                        | *HOLME, CHARLES HENRY ..    | Cairnbank, Duns, N.B.                       |
| 1880 Mar. 2.                         |                             |   |
| 1888 Mar. 6.                         | HOLMES, ARTHUR BROMLEY ..   | 36 Princes Avenue, Liverpool.               |

Date of Election  
and of Transfer.

## MEMBERS.

|         |                 |   |  |
|---------|-----------------|---|--|
|         | 1884 Jan. 8.}   | *HOLMES, JOHN HENRY .. ..                       | {Wellburn, Jesmond, Newcastle-on-Tyne.                             |
|         | 1897 Mar. 2.}   |   |  |
|         | 1887 Feb. 1.}   | HOLMES, ROBERT WEST .. ..                       | {Feilding, Manawatu, N.Z.  |
|         | 1897 Jan. 19.}  |   |  |
| W t ✕   | 1875 Feb. 2.}   | HOLT, ALFRED .. ..                              | {1 India Buildings, Liverpool.<br>(Alfred Holt, Liverpool.)        |
|         | 1875 Feb. 2.}   |   |  |
|         | 1898 Apr. 5.}   | HOLT, HENRY PERCY .. ..                         | {15 Kensington Court, W.   |
| t ✕     | {1875 Apr. 6.   | HOLTHAM, EDMUND GREGORY                         | 13 Victoria Street, S.W.   |
|         | 1879 Jan. 7.}   |   |  |
| t ✕     | 1895 Jan. 8.}   | HOMFRAY, SAMUEL GEORGE ..                       | 8 Great George Street S.W.   |
|         | 1864 May 24.}   | HOOD, WELLS .. ..                               | {Recife & São Francisco Ry., Pernambuco.                           |
|         | 1876 Apr. 25.}  |   |  |
| t ✕     | {1882 Dec. 5.}  | HOPKINSON, CHARLES,                             | {29 Princess Street, Manchester.                                   |
|         | 1888 Jan. 24.}  | B.Sc. ( <i>Victoria</i> )                       |  |
| T t S ✕ | {1885 Jan. 13.} | HOPKINSON, EDWARD,                              | {Salford Ironworks, Manchester.                                    |
|         | 1890 Nov. 11.}  | M.A. ( <i>Cantab.</i> ), D.Sc. ( <i>Lond.</i> ) |  |
|         | 1885 Apr. 14.}  | HOPKINSON, JOHN .. ..                           | St. Margaret's Rd., Bowdon, Cheshire.                              |
|         | 1880 Jan. 13.}  | HORAN, JOHN, M.E. ( <i>Royal</i> ) ..           | 50 George Street, Limerick.  |
|         | 1890 Feb. 25.}  |   |  |
|         | 1889 Apr. 2.}   | HORBURY, GEORGE FRANCIS ..                      | Byculla Ironworks, Bombay.   |
|         | 1897 Apr. 6.}   |   |  |
|         | 1870 Feb. 1.}   | HORN, THOMAS .. ..                              | {Granville Lodge, Palace Road,<br>Streatham Hill, S.W.             |
|         | 1886 Feb. 9.}   |   |  |
|         | 1878 May 28.}   | HORN, THOMAS WILLIAM ..                         | 6 The Grove, Muswell Hill, N.                                      |
|         | 1878 May 28.}   |   |  |
|         | 1883 Jan. 30.}  | HORSLEY, CHARLES .. ..                          | 22 Wharf Road, City Road, N.                                       |
|         | 1879 May 27.}   |   |  |
|         | 1885 Nov. 24.}  | HORSLEY, STEPHEN .. ..                          | St. Peter's House, Canterbury.                                     |
|         | 1883 Jan. 9.}   | *HOUGHTON, THOMAS HARRY ..                      | 12 Spring Street, Sydney, N.S.W.                                   |
|         | 1897 Nov. 30.}  |   |  |
|         | 1886 Apr. 6.}   | HOUISON, DAVID .. ..                            | {P. W. D., Trial Bay, Macleay River,<br>N.S.W.                     |
|         | 1894 Apr. 17.}  |   |  |
|         | 1881 Mar. 1.}   | *HOW, WILLIAM FIELD .. ..                       | {Mutual Life Buildings, George St.,<br>Sydney, N.S.W.              |
|         | 1893 Nov. 14.}  |   |  |
|         | 1868 Apr. 7.}   | HOWARD, WILLIAM STUART ..                       | {c.o. Union Bank of London, Chancery<br>Lane, W.C. (den, Glasgow.) |
|         | 1878 Jan. 29.}  |   |  |
|         | 1892 Apr. 5.}   | HOWDEN, JAMES .. ..                             | 8 Scotland Street, Glasgow. (How-)                                 |
| ✕       | {1867 Feb. 5.}  | HOWKINS, JOHN .. ..                             | {Queensberry Lodge, Granton Road,<br>Edinburgh.                    |
|         | 1872 Dec. 3.}   |   |  |
|         | 1888 May 1.}    | HOWSON, RICHARD .. ..                           | 2 Exchange Place, Middlesbrough.                                   |
|         | 1897 Jan. 12.}  | HOYLE, JAMES ROSSITER ..                        | Norfolk Works, Sheffield.  |
|         | 1884 Feb. 5.}   |   |  |
|         | 1898 Mar. 22.}  | HUDLESTON, FERDINAND ..                         | {Electric Traction Co., 16 Great<br>George Street, S.W.            |
|         | 1880 May 4.}    |   |  |
|         | 1888 Jan. 17.}  | HUDSON, FRANK .. ..                             | {Central Uruguay Railway, Monte<br>Video.                          |
|         | 1879 Feb. 4.}   |   |  |
|         | 1887 Jan. 25.}  | HUDSON, JOHN GEORGE .. ..                       | Glenholme, Bromley Cross, Bolton.                                  |
|         | 1881 Dec. 6.}   | HUGHES, ARTHUR JOHN, C.I.E.                     | Municipal Offices, Calcutta.                                       |
|         | 1879 May 6.}    |   |  |
|         | 1896 Dec. 22.}  | HUGHES, JOHN ELLIS .. ..                        | Reservoir Works, Marsden, Yorks.                                   |
|         | 1881 May 31.}   | HUGHES, JOHN SYLVESTER ..                       | Festiniog Ry., Portmadoc.  |
|         | 1885 Jan. 13.}  | HUGHES, WALTER CHARLETON                        | Secy. to Govt., P.W.D., Bombay.                                    |
|         | 1879 Feb. 4.}   | HUGHES, WILLIAM,                                | {Trichinopoly, S. India.   |
|         | 1888 Oct. 30.}  | M.E. ( <i>Queen's</i> ) .. ..                   |  |
|         | 1885 May 5.}    | *HUMBY, ALBERT JAMES .. ..                      | Zululand Railway, Stanger, Natal.                                  |
|         | 1897 Feb. 2.}   |   |  |
|         | 1881 May 31.}   | HUMBY, HENRY GEORGE ..                          | Verulam, Natal.  |
|         | 1891 Dec. 8.}   |   |  |
|         | 1895 May 21.}   | HUMFRESS, GEORGE .. ..                          | N. W. Ry., Lahore, India.  |
|         | 1895 Mar. 5.}   | HUMPHREYS, ALEXANDER                            | {66 Broadway, New York, U.S.                                       |
|         |                 | CROMBIE   | {(Humglas, New York.)  |
|         | 1888 Apr. 10.}  | HUMPHRYS, ROBERT HARRY ..                       | Deptford Pier, S.E.  |

| Date of Election<br>and of Transfer. |                 | MEMBERS.                                     |  |
|--------------------------------------|-----------------|--|--|
| ✠                                    | 1891 Mar. 3.    | HUNT, ALFRED EPHRAIM ..                      | { 701 Ferguson Block, Pittsburgh,<br>Pa. U.S.  |
| t ✠                                  | 1881 Mar. 1.    | HUNT, CHARLES .. ..                          | { Gasworks, Windsor St., Birmingham.   |
| m ✠                                  | { 1881 Dec. 6.  | *HUNTER, JAMES BERNARD ..                    | { 202 Bow Road, E. (Venator, London.<br>Stratford 45.)                                   |
|                                      | { 1889 Jan. 15. |  |  |
|                                      | { 1865 May 2.   | HUNTER, WALTER .. ..                         | { 17 Victoria Street, S.W.   |
| { 1878 May 14.                       |                 |  |  |
|                                      | 1891 May 5.     | HUNTER, WILLIAM HENRY ..                     | { Ship Canal, Eng.'s Office, Man-<br>chester.  |
| T ✠                                  | { 1846 Apr. 7.  | HUNTINGTON, JOHN BARKER ..                   | { Mrs. Corrie, 148 Kilburn Lane, Har-<br>row Road, W.                                    |
|                                      | { 1866 Mar. 27. |  |  |
|                                      | { 1868 May 19.  | HURST, WILLIAM .. ..                         | { L. & N. W. Ry., Ashbourne, Derby-<br>shire.  |
| { 1897 Nov. 30.                      |                 |  |  |
| m ✠                                  | { 1879 May 27.  | *HURTZIG, ARTHUR CAMERON ..                  | { 2 Queen Square Place, S.W. (West-<br>minster 33.)                                      |
|                                      | { 1886 Mar. 16. |  |  |
|                                      | { 1867 Feb. 5.  | HUTCHINS, GEORGE ALBERT ..                   | { Clive House, Welshpool, North<br>Wales.  |
| { 1873 Dec. 23.                      |                 |  |  |
|                                      | 1897 Jan. 12.   | { HUTCHINSON, CHRISTOPHER ..                 | { 8 Cleve Road, West Hampstead,<br>N.W.  |
|                                      | 1881 Mar. 1.    | HUTCHINSON, JOHN HOUSEMAN                    | Nikosia, Cyprus.   |
|                                      | 1886 Jan. 12.   | HUTCHINSON, WILLIAM .. ..                    | { Ry. Construction Dept., Sydney,<br>N.S.W.  |
|                                      | { 1891 Nov. 9.  |  |  |
|                                      | 1862 Mar. 4.    | HUTTON, DARTON, M.A. (Dubl.)                 | { 14 Cumberland Terrace, Regent's<br>Park, N.W.  |
|                                      | 1890 Dec. 2.    | HUTTON, WILLIAM RICH ..                      | { 35 Broadway, Room 112, New York,<br>U.S.   |
|                                      | 1875 May 11.    | HUXHAM, HORTENSIVS .. ..                     | Bryn Road, Swansea.  |
|                                      | 1883 Dec. 4.    | HYSLOI, PETER SHARP .. ..                    | 5 Clarence Villas, Walmer, Deal.   |
|                                      |                 |  |  |
| W t ✠                                | 1871 Mar. 7.    | IMRAY, JOHN, M.A. (Aberd.) ..                | { 28 Southampton Buildings, Chancery<br>Lane, W.C. (Patentable, London.<br>Holborn 109.) |
|                                      | 1897 Apr. 6.    | INGHAM, WILLIAM PORRITT ..                   | { York City Bank Chambers, Middles-<br>brough.   |
| m                                    | { 1876 Dec. 5.  | *INGLIS, JAMES CHARLES,                      | { G. W. Ry., Paddington, W.  |
|                                      | { 1884 Mar. 18. |  |  |
|                                      | { 1871 Jan 10.  | INGLIS, JOHN WILLIAM,                        | { Kenwood, Liberton, Midlothian.   |
|                                      | { 1877 Nov. 27. |  |  |
|                                      | { 1875 Feb. 2.  | IRWIN, HENRY, C.I.E. .. ..                   | { P.W.D., Pachmarhi, India.  |
|                                      | { 1879 Apr. 29. |  |  |
|                                      | 1891 Dec. 1.    | IVATT, HENRY ALFRED .. ..                    | G. N. Ry., Doncaster.  |
|                                      | 1876 May 2.     | IZAT, ALEXANDER (Member<br>of Council) .. .. | { Springfield, Dollar, N.B.  |
|                                      | { 1881 Apr. 5.  |  |  |
|                                      |                 |  |  |
|                                      | 1888 Apr. 10.   | JACKSON, CHARLES LOXTON ..                   | { Moorfield, Tonge Moor, Bolton.<br>(Jackson, Tonge Moor. 34, Bolton.)                   |
|                                      | { 1891 Jan. 20. |  |  |
|                                      | { 1874 Apr. 14. | JACKSON, EDWARD .. ..                        | { Port Engineer, Karachi, India.   |
|                                      | { 1879 Dec. 23. |  |  |
|                                      | { 1874 Feb. 3.  | JACKSON, JOHN .. ..                          | { Stubben Edge, Chesterfield.  |
|                                      | { 1879 Nov. 4.  |  |  |
|                                      | 1882 Apr. 4.    | JACKSON, SAMUEL, C.I.E. ..                   | 23 Calverley Park, Tunbridge Wells.  |
|                                      | 1883 Dec. 4.    | JACKSON, WILLIAM FRANCIS ..                  | Sterndale House, Litton, Stockport.  |
|                                      | 1881 Mar. 1.    | { JACOB, AUGUSTUS HAMILTON,                  | { 26 Maberley Road, Upper Norwood,<br>S.E.   |
|                                      |                 | { M.A. (Dubl.) .. ..                         |  |
|                                      | 1891 Dec. 1.    | JACOB, LIONEL MONTAGUE ..                    | H. S. King & Co., 65, Cornhill, E.C.   |



Date of Election  
and of Transfer.

## MEMBERS.

|         |                 |  |  |
|---------|-----------------|--|--|
|         | 1885 Dec. 1.    | JACOBS, CHARLES MATTATHIAS                             | { Room 579, Mutual Life Building,<br>32 Nassau St., New York, U.S. |
|         | 1884 Dec. 2.    | *JACOMB-HOOD, JOHN WYKEHAM                             | L. & S. W. Ry., Exeter.  |
|         | 1891 Jan. 27.   |  |  |
| T ✚     | 1847 Mar. 2.    | JACOMB-HOOD, ROBERT .. ..                              | { 25 Bramham Gardens, Earl's Court,<br>S.W.                        |
|         | 1890 Apr. 1.    | JAFFREY, WILLIAM .. ..                                 | 3 Victoria St., S.W. (Kahort, London.)                             |
|         | 1879 May 6.     | JAMES, HENRY ALEXANDER .. ..                           | { 8 Southview, Valley Road, Streatham,<br>S.W.                     |
|         | 1887 Nov. 22.   |  |  |
| ✚       | 1868 Dec. 1.    | JAMES, JOHN WILLIAM .. ..                              | Dr. P. M. Wood, Ashfield, N.S.W.                                   |
|         | 1882 Feb. 7.    | JAMES, JOHN WILLIAM HENRY                              | 32 Victoria Street, S.W.   |
|         | 1894 Dec. 4.    | JAMESON, ARTHUR SAMPSON                                | E. Bengal Ry., Kanchrapara, India.                                 |
| t ✚     | { 1878 Jan. 15. | JAMESON, <i>Professor</i> ANDREW                       | Glasgow and West of Scotland                                       |
|         | { 1887 Feb. 8.  | F.R.S.E. .. ..   | Technical College, Glasgow.  |
|         | 1888 Dec. 4.    | JAQUES, WILLIAM HENRY,                                 |  |
|         | 1893 Mar. 7.    | <i>Captain U.S.N. ret.</i> .. ..                       | 141 Broadway, New York, U.S.                                       |
|         | 1882 Mar. 7.    |  |  |
|         | 1884 Oct. 14.   | JARDINE, ALEXANDER WILLIAM                             | { G. V. Hellicar, Solicitor, Brisbane,<br>Queensland.              |
|         | 1872 Feb. 6.    | JEBB, GEORGE ROBERT .. ..                              | Fairfield, Great Barr, Birmingham.                                 |
|         | 1860 Apr. 3.    | JENKIN, SILVANUS WILLIAM .. ..                         | Liskeard, Cornwall.  |
|         | 1895 Dec. 3.    | JENNINGS, JAMES HENNEN .. ..                           | Johannesburg, Transvaal.   |
|         | 1888 Mar. 6.    | JENNINGS, NEWTON EDWARD ..                             | Town Hall, Melbourne, Victoria.                                    |
|         | 1884 Mar. 4.    | JENNINGS, WILLIAM TINDAL ..                            | { 506 Board of Trade Building,<br>Toronto, Canada.                 |
|         | 1891 May 12.    |  |  |
|         | 1893 Dec. 5.    | JERVIS, JAMES THOMAS .. ..                             | 28 Victoria Street, S.W.   |
| ✚       | { 1885 Dec. 1.  | JOBSON, CHRISTOPHER .. ..                              | { Weld Club, Perth, Western Aus-<br>tralia.                        |
|         | { 1894 Mar. 6.  |  |  |
| ✚       | { 1882 May 23.  | JOHNSON, CHARLES MALCOLM,                              | Kenross, Gleneagle Road, Streath-                                  |
|         | { 1889 Dec. 17. | R.N. .. ..   | ham, S.W.  |
| ✚       | { 1881 Mar. 1.  | *JOHNSON, FRANCIS ROBERT ..                            | Almora, Leven, Fife, N.B.  |
|         | { 1894 Oct. 16. |  |  |
|         | 1875 May 11.    | JOHNSON, HENRY .. ..                                   | { Sudburys, Spencer Road, South                                    |
|         | 1877 Nov. 13.   |  | Croydon.   |
|         | 1892 May 3.     | JOHNSON, <i>Professor</i> JOHN BUTLER                  | 2631 Russell Av., St. Louis, Mo., U.S.                             |
|         | 1862 May 20.    | JOHNSON, RICHARD .. ..                                 | 13 Crouch Hall Road, Crouch End,                                   |
| ✚       | 1867 Dec. 3.    | JOHNSON, SAMUEL WAITE .. ..                            | Midland Railway, Derby. [N.  |
|         | 1898 Feb. 1.    | JOHNSON, TOM RICHARD .. ..                             | G. N. Ry., Peterborough.   |
|         | 1885 Mar. 3.    | JOHNSON, WALTER CLAUDE ..                              | The Dignaries, Westcombe Pk., S.E.                                 |
|         | 1877 Dec. 4.    | JOHNSON, WARWICK HUSON ..                              | P.W.D., Abbottabad, India.   |
|         | 1884 Jan. 22.   |  |  |
|         | 1883 Feb. 6.    | JOHNSTON, ANDREW .. ..                                 | Minas de Rio Tinto, Huelva, Spain.                                 |
|         | 1886 May 18.    |  |  |
|         | 1880 May 4.     | *JOHNSTON, HERBERT DENT ..                             | 4 Pall Mall Place, S.W.  |
|         | 1890 Apr. 22.   |  |  |
|         | 1879 Dec. 2.    | JOHNSTON, JOHN CHARLES ..                              | Arbuthnot & Co., Madras.   |
|         | 1896 Jan. 7.    |  |  |
| ✚       | 1867 Mar. 5.    | JOHNSTON, ROBERT EDWARD ..                             | Joint Railways Office, Birkenhead.                                 |
|         | 1870 Mar. 1.    | JOLL, HENRY .. ..                                      | 4 Osborne Place, Plymouth.   |
|         | 1877 Nov. 27.   |  |  |
|         | 1878 Feb. 5.    | JONES, ARTHUR DANIEL .. ..                             | 3 Border Crescent, Sydenham, S.E.                                  |
|         | 1893 May 16.    |  |  |
|         | 1875 Feb. 2.    | JONES, CHARLES .. ..                                   | { The Lodge, Culmington Rd., Ealing,<br>W.                         |
|         | 1891 Nov. 3.    |  |  |
|         | 1881 Dec. 6.    | { JONES, CHARLES BOOTH,<br>B.A. ( <i>Dubl.</i> ) .. .. | The Mall, Sligo.   |
| T W t ✚ | { 1869 May 27.  | JONES, HARRY EDWARD ..                                 | Commercial Gas Co., Stepney, F.                                    |
|         | { 1875 Apr. 11. |  |  |
|         | 1876 Feb. 1.    | JONES, ISAAC MATTHEWS ..                               | City Surveyor, Chester.  |
|         | 1897 Dec. 7.    |  |  |
|         | 1875 Feb. 2.    | JONES, JOHN ALFRED, F.R.S.E.                           | Fort St. George, Madras.   |
|         | 1881 Nov. 15.   |  |  |
|         | 1886 Dec. 7.    | JONES, PEYTON .. ..                                    | { The Hermitage, Mona Place, South<br>Yarra, Melbourne, Victoria.  |

| Date of Election<br>and of Transfer. |                | MEMBERS.  |  |   |
|--------------------------------------|----------------|---|--|---|
|                                      | 1886 Jan. 12.  | } JONES, ROBERT EDWARD ..   | P. W. D., Muswellbrook, N.S.W.                               |   |
|                                      | 1893 Nov. 7.   |   |  |   |
|                                      | 1877 Dec. 4.   | JOPP, JOHN GALE .. ..   | S. Mahratta Ry., Bellary, Madras.                            |   |
|                                      | 1892 Dec. 6.   | JOYCE, ALFRED .. ..   | Binny & Co., Madras.   |   |
| ✱                                    | {1885 Dec. 1.  | } JOYCE, FREDERICK TALBOT ..  | 14 Lower Fitzwilliam St., Dublin.                            |   |
|                                      | 1892 Jan. 26.  |   |  |   |
|                                      | 1887 Dec. 6.   | JOYNER, ROBERT BATSON, C.I.E.   | Lake View, Pitville, Cheltenham.                             |   |
|                                      | 1891 Mar. 3.   | JUDSON, WILLIAM PIERSON ..  | Oswego, New York, U.S.                                       |   |
|                                      |                |   |  |   |
| T t                                  | ✱              | {1885 Jan. 13.  | } KAPP, GISBERT .. ..  | Ulmenallee 26, Westend, Berlin.                                   |
|                                      |                | 1891 Jan. 13.   |  |   |
|                                      |                | 1889 May 7.   | KATTE, WALTER .. ..  | { N. Y. Central & Hudson River Rlrd.,<br>New York, U.S.           |
| ✱                                    | {1873 Dec. 2.  | } KEATING, EDWARD HENRY ..  | Toronto Ry., Toronto, Ont., Canada.                          |   |
|                                      | 1878 Dec. 3.   |   |  |   |
|                                      | 1884 Jan. 8.   | KEATING, HENRY, M.A. (Dubl.)  | 21 Nelson Street, Tralee, Ireland.                           |   |
|                                      | 1887 Oct. 25.  |   |  |   |
|                                      | 1885 Dec. 1.   | KEEFER, GEORGE ALEXANDER  | Victoria, British Columbia.                                  |   |
|                                      | 1877 Dec. 4.   | {KEEFER, THOMAS COLTRIN,<br>C.M.G. ... ..   | D.P.W., Ottawa, Canada.                                      |   |
| ✱                                    | {1883 Dec. 4.  | } KEELE, THOMAS WILLIAM ..  | { Harbours & Rivers Dept, Ballina,<br>Richmond River, N.S.W. |   |
|                                      | 1888 Dec. 18.  |   |  |   |
| ✱                                    | {1873 May 20.  | } KEELING, GEORGE WILLIAM ..  | 10 Lansdown Terrace, Cheltenham.                             |   |
|                                      | 1883 May 1.    |   |  |   |
|                                      | 1894 Feb. 20.  | *KEENE, PERCY EDWARD ..   | Midland Ry., Bhilsa, India.                                  |   |
| ✱                                    | 1890 Dec. 2.   | KELLY, WILLIAM REDFERN ..   | Dalriada, Malone Park, Belfast.                              |   |
|                                      |                | {KENNEDY, ALEXANDER<br>BLACKIE WILLIAM, LL.D.<br>(Glas.) F.R.S. (Member of<br>Council.) .. .. | 17 Victoria Street, S.W. (Kinematic,<br>London.)             |   |
| T t F                                | ✱ 1879 May 27. |   |  |   |
|                                      | 1875 Dec. 7.   | {KENNEDY, JOHN .. ..  | Montreal, Canada.  |   |
|                                      |                | (Member of Council.) }  |  |   |
| t                                    | ✱              | {1880 Dec. 7.   | } KENNEDY, NEIL .. ..  |   |
|                                      |                | 1884 May 13.  |  |   |
| ✱                                    | {1892 Apr. 5.  | } KENSINGTON, FREDERICK ..  | 2 Copthall Buildings, E.C.                                   |   |
|                                      | 1896 Nov. 24.  |   |  |   |
| ✱                                    | {1879 Apr. 1.  | } KER, THOMAS .. ..   | Abu Road, Rajputana, India.                                  |   |
|                                      | 1888 May 15.   |   |  |   |
| ✱                                    | 1895 Feb. 5.   | KERNOT, MAURICE EDWIN ..  | Ry. Dept., Melbourne, Victoria.                              |   |
|                                      |                | 1862 Mar. 4.  | KERSHAW, JOHN .. ..  | { 66 Bickenhall Mansions, Gloucester<br>Place, Portman Square, W. |
|                                      | 1871 May 2.    | KIERZKOWSKI-STEUART, CHARLES  | 7 Collingham Road, Cromwell Road,                            |   |
|                                      | 1877 Nov. 27.  | FERDINAND DE .. ..  | S.W.   |   |
|                                      | 1863 Dec. 1.   |   |  |   |
|                                      | 1877 Nov. 27.  | KILGOUR, GEORGE .. ..   | Cape Town, C.C.  |   |
|                                      | 1859 Dec. 6.   |   |  |   |
|                                      | 1875 Nov. 9.   | KIMBER, JAMES .. ..   | { 59 Canfield Gardens, Hampstead.<br>N.W.                    |   |
|                                      | 1870 Apr. 5.   | KINCAID, JOSEPH, M.A. (Dubl.)   | 29 Great George Street, S.W. (Kin-                           |   |
|                                      | 1879 Mar. 25.  |   | caid, London. Westminster 11.)                               |   |
| t                                    | ✱              | {1878 Feb. 5.   | } KINDER, CLAUDE WILLIAM ..                                  | c.o. H.B.M. Consul, Tientsin, China.                              |
|                                      |                | 1889 Dec. 10.   |  |   |
|                                      | 1889 Apr. 2.   | KING, MAURICE .. ..   |  |   |
|                                      | 1874 May 5.    | KING, WILLIAM .. ..   | Gas Office, Duke Street, Liverpool.                          |   |
|                                      | 1873 Mar. 4.   | *KING, WILLIAM HENRY ..   | { St. Heliers, Sydney Road, Walton-<br>on-Thames.            |   |
|                                      | 1889 Nov. 15.  |   |  |   |
| T m                                  | ✱              | {1858 Feb. 2.   | } KINGSBURY, WILLIAM JOSEPH ..                               | 35 Courtfield Gardens, S.W.                                       |
|                                      |                | 1863 Dec. 8.  |  |   |
| ✱                                    | 1865 Feb. 7.   | KINIPPLE, WALTER ROBERT ..  | { 51 The Drive, Hove. (Kinipple,<br>Brighton.)               |   |
|                                      |                | 1883 May 29.  | KINSEY, WILLIAM BARNES ..                                    | Umbilo, near Durban, Natal.                                       |
|                                      | 1892 Mar. 1.   | KIRBY, CHARLES ANTHONY ..   | G. N. Ry., Boston.   |   |
|                                      | 1875 May 4.    | KIRBY, FREDERICK HALL ..  | Union Club, Trafalgar Square, W.C.                           |   |

| Date of Election<br>and of Transfer. |                                 | MEMBERS.   |   |
|--------------------------------------|---------------------------------|--|---|
| T t                                  | 1865 May 23.                    | KIRKHAM, THOMAS NESHAM ..                                | W. W. Grey, St. Neots, Hunts.   |
|                                      | 1892 Mar. 1.}                   | KIRKLAND, THOMAS .. ..                                   | 17 Victoria Street, S.W.  |
|                                      | 1896 May 12.}                   |  |   |
|                                      | 1875 Mar. 2.                    | KIRTLEY, WILLIAM .. ..                                   | L. C. & D. Ry., Wandsworth Rd., S.W.  |
|                                      | 1876 Dec. 5.                    | {KITSON, Sir JAMES, Bart.,<br>M.P. (Member of Council.)} | Monk Bridge Ironworks, Leeds. (73).   |
|                                      | 1875 Mar. 2.                    | KITSON, JOHN HAWTHORN ..                                 | {Airedale Foundry, Leeds. (Kitson,<br>Airedale, Leeds. 26.)   |
|                                      | 1866 Mar. 6.}                   | KNOWLES, GEORGE .. ..                                    | Billiter Square Buildings, E.C.   |
|                                      | 1877 June 26.}                  |  |   |
|                                      | 1875 Feb. 2.}                   | KNOX, EDWARD BALDWIN                                     | {Box 398, Johannesburg, Transvaal.<br>(Aurum, Johannesburg).  |
|                                      | 1893 Mar. 28.}                  | JOHN .. .. .   |   |
| ✦                                    | 1879 Dec. 2.                    | KRAFT, JOHN .. .. .                                      | Société Cockerill, Seraing, Belgium.  |
|                                      | 1894 Feb. 6.                    | KRAMER, ARNOLD .. .. .                                   | 2 Ryder Street, St. James's, S.W.   |
| ✦                                    | 1880 Apr. 6.                    | {KÜHL, CHARLES HENRY<br>LEOPOLD .. .. .}                 | European Commission of the<br>Danube, Sulina.   |
| ✦                                    | {1873 May 6.<br>1876 Apr. 25.}  | KYLE, JOHN .. .. .                                       | New Harbour Works, Dover.   |
|                                      | 1887 Mar. 1.}                   |  |   |
|                                      | 1894 Nov. 6.}                   |  |   |
|                                      | 1885 May 19.}                   | LACEY, FREDERICK WILLIAM ..                              | Borough Engineer, Bournemouth.  |
|                                      | 1897 Feb. 16.}                  | LAING, ANDREW .. .. .                                    | Wallsend Slipway, Wallsend-on-Tyne.   |
|                                      | 1894 Mar. 6.}                   |  |   |
|                                      | 1885 Dec. 1.}                   | LANE, ALEXANDER MAURICE                                  | {F. C. Alcoy à Gandia, Valencia,<br>Spain.  |
|                                      | 1895 Oct. 22.}                  |  |   |
|                                      | 1876 May 30.}                   | LANGDON, WILLIAM .. ..                                   | {Electrical Copper Co., Ditton Road,<br>Widnes. [N.W.]  |
|                                      | 1883 Nov. 3.}                   |  |   |
| ✦                                    | 1870 Jan. 11.}                  | LANGLEY, ALFRED ANDREW ..                                | 33 Chester Terrace, Regent's Park,<br>Northern Bank Chambers, Belfast.  |
|                                      | 1890 Feb. 4.}                   |  |   |
|                                      | 1881 May 31.}                   | LAPAGE, RICHARD HERBERT                                  | {Oakfield, Langley Avenue, Surbiton.<br>(Lapage, Surbiton.)   |
|                                      | 1885 Nov. 24.}                  |  |   |
|                                      | 1874 Feb. 3.}                   | *LARGE, PHILIP TOWNSHEND                                 | Carnacway Rectory, Kilcullen, co.<br>Kildare.   |
|                                      | 1885 Nov. 10.}                  |  |   |
|                                      | 1878 Mar. 5.}                   | LARMINIE, JOHN CHARLES ..                                | P.W.D., Chepak, Madras.   |
|                                      | 1894 May 22.}                   |  |   |
|                                      | 1877 May 1.}                    | LATHAM, ALBERT .. .. .                                   | Town Hall, Margate.   |
|                                      | 1882 Apr. 4.}                   |  |   |
|                                      | 1865 May 2.}                    | LATHAM, BALDWIN .. .. .                                  | 13 Victoria Street, S.W.  |
|                                      | 1868 May 19.}                   |  |   |
| T t                                  | {1859 Dec. 6.<br>1866 Dec. 17.} | LATHAM, JOHN HERBERT,<br>M.A. (Cantab.) .. .. .          | Ngaruawahia, Auckland, N.Z.   |
|                                      | 1884 May 6.}                    |  |   |
|                                      | 1867 Feb. 5.}                   | LAURENCE, WILLIAM KNOX ..                                | G.W. Ry., Bristol. [London.]<br>17 Victoria Street, S.W. (Prismoid,<br>Leaside, Kingswood Road, Upper<br>Norwood, S.E.) |
|                                      | 1878 May 7.}                    |  |   |
|                                      | 1880 Feb. 24.}                  | LAWDER, ARTHUR WILLIAM ..                                | {10 Gloucester Walk, Campden<br>Hill, W.  |
|                                      | 1880 Dec. 7.}                   |  |   |
|                                      | 1884 Dec. 16.}                  | LAWFORD, WILLIAM .. ..                                   | {31 St. Julian's Farm Road, West<br>Norwood, S.E.   |
|                                      | 1867 Feb. 5.}                   |  |   |
| t                                    | {1870 Mar. 1.<br>1877 May 29.}  | LAWS, WILLIAM GEORGE ..                                  | 65 Osborne Rd., Newcastle-on-Tyne.  |
|                                      | 1868 Mar. 3.}                   |  |   |
|                                      | 1893 May 2.}                    | LAYBOURNE, RICHARD .. ..                                 | The Firs, Malpas, Newport, Mon.   |
|                                      | 1873 Dec. 2.}                   |  |   |
|                                      | 1877 Nov. 13.}                  | LEA, HENRY .. .. .                                       | 38 Bennett's Hill, Birmingham.  |
|                                      | 1885 Feb. 3.}                   |  |   |
|                                      | 1892 Feb. 16.}                  | LEAN, CHARLES .. .. .                                    | 14 Grange Road, Ealing, W.  |
|                                      | 1886 Dec. 7.}                   |  |   |
|                                      | 1885 Feb. 3.}                   | LEAN, JOEL .. .. .                                       | Ripponden, Halifax.   |
|                                      | 1892 Feb. 16.}                  |  |   |
|                                      | 1886 Dec. 7.}                   | LEAVITT, ERASMUS DARWIN, Jun.                            | Cambridgeport, Mass., U.S.  |
|                                      | 1879 Feb. 4.}                   |  |   |
|                                      | 1885 Feb. 3.}                   | LEE, JOSEPH JOHN .. .. .                                 | {L. & N. W. Ry., Engineer's Office,<br>Stafford.  |
|                                      | 1886 Dec. 7.}                   |  |   |
| m                                    | {1886 Dec. 7.<br>1896 Nov. 24.} | *LEGG, WILLIAM ANDREW ..                                 | Waterworks, Rhayader, Rads.   |

| Date of Election<br>and of Transfer. |  | MEMBERS.                                |   |
|--------------------------------------|--|---|---|
| 1872 Dec. 3.}                        |  | LEGGATT, WILLIAM BENJAMIN               | 27 Ladbroke Grove, W.   |
| 1879 May 27.}                        |  |   |   |
| 1879 Feb. 4.}                        |  | LEIGH, ROBERT KENNAWAY ..               | Hong Kong.  |
| 1889 Feb. 5.}                        |  |   |   |
| 1885 Apr. 14.}                       |  | *LE LIEVRE, CHARLES .. ..               | c.o. The Agent, E.I. Ry., Calcutta.                                 |
| † 1883 Jan. 9.}                      |  | LE MESURIER, WILLIAM HENRY              | 36 Slaty Road, Birkenhead.  |
| 1865 May 23.}                        |  | LEMON, JAMES .. .. .                    | 9 Victoria Street, S.W.   |
| 1877 Jan. 30.}                       |  |   |   |
| 1865 Dec. 5.}                        |  | LEONARD, HUGH .. .. .                   | 7 Hanover Square, W.  |
| 1896 Apr. 14.}                       |  | LE QUESNE, WILLIAM HENRY                | Grindlay & Co., Parliament St., S.W.                                |
| T t<br>W S † } 1872 Jan. 9.}         |  | LESLIE, Sir BRADFORD, K.C.I.E.          | Woodlane House, Falmouth.   |
| 1891 Dec. 1.}                        |  |   |   |
| 1898 Feb. 15.}                       |  | LESLIE, BRADFORD .. .. .                | 36 Victoria Street, S.W.  |
| 1890 Dec. 2.}                        |  | LESLIE, MORICE .. .. .                  | Watson & Co., 7 Waterloo Place, S.W.                                |
| 1885 Feb. 3.}                        |  | LEWIS, GEORGE .. .. .                   | { Imperial Chambers, Albert Street,<br>Derby.                       |
| 1866 Feb. 6.}                        |  | LEWIS, WILLIAM BOURNE ..                | 32 Lee Park, Blackheath, S.E.                                       |
| 1879 May 6.}                         |  |   |   |
| 1895 Jan. 22.}                       |  | *LEWIS, WILLIAM CUTHBERT                | P.W.D., Guntur, India.  |
| 1865 Mar. 7.}                        |  | LEWIS, Sir WILLIAM THOMAS,}             | Mardy, Aberdare. (Lewis, Aberdare.)                                 |
| 1869 Jan. 19.}                       |  | Bar.                                    |   |
| † { 1892 Dec. 6.}                    |  | *LIDDLE, WILLIAM .. .. .                | Guidfa House, Penybont, Rads.                                       |
| 1898 Mar. 15.}                       |  |   |   |
| 1862 Jan. 14.}                       |  | LIGHT, ALEXANDER LUDERS ..              | Ch. Eng., Govt. Rys., Quebec, Canada.                               |
| m † 1881 Dec. 6.}                    |  | LIGHTFOOT, THOMAS BELL ..               | { 35 Queen Victoria Street, E.C.<br>(Separator, London.)            |
| 1890 Feb. 4.}                        |  | LINDENTHAL, GUSTAV .. ..                | 45 Cedar Street, New York, U.S.                                     |
| 1891 Mar. 3.}                        |  | LINDLEY, JOSEPH .. .. .                 | Institutowa 1, Warsaw.  |
| 1881 Feb. 1.}                        |  | LINDLEY, ROBERT SEARLES ..              | Godstone Place, Godstone, Surrey.                                   |
| 1842 Feb. 1.}                        |  | LINDLEY, WILLIAM .. .. .                | 74 Shooter's Hill Road, S.E.  |
| 1878 May 28.}                        |  | LINDLEY, WILLIAM HEERLEIN               | Frankfurt-am-Main.  |
| 1880 Dec. 7.}                        |  |   |   |
| 1887 Feb. 22.}                       |  | LINDSAY, CHARLES COXHEAD ..             | { 217 West George Street, Glasgow.<br>(Civileng, Glasgow.)          |
| 1897 Dec. 7.}                        |  | LINEHAM, WILFRID JAMES ..               | Jesmond, Leyland Road, Lec, S.E.                                    |
| 1856 Dec. 2.}                        |  |   |   |
| 1866 Apr. 24.}                       |  | LINN, ALEXANDER GRAINGER                | 121 Upper Parliament St., Liverpool.                                |
| 1882 Apr. 4.}                        |  | LISBÔA, JOAQUIM MIGUEL RIBEIRO          | Post Box 195, Rio de Janeiro.                                       |
| 1871 Mar. 7.}                        |  |   |   |
| 1880 Apr. 13.}                       |  | LIST, GEORGE HENRY .. ..                | N.W. Ry., Lahore, India.  |
| 1878 Feb. 5.}                        |  |   |   |
| 1887 Feb. 1.}                        |  | *LIST, JOHN, <i>Royal Naval Reserve</i> | { 3 St. John's Park, Blackheath,<br>S.E. [S.W.]                     |
| † { 1887 Dec. 6.}                    |  | LITSTER, DAVID MICHAEL ..               | Grindlay & Co., 55 Parliament St.,                                  |
| 1897 Nov. 30.}                       |  |   | c/o H. S. King & Co., 45 Pall                                       |
| 1885 May 5.}                         |  | LITTLE, THOMAS DAVID, C.I.E.            | Mall, S.W.  |
| 1869 Dec. 7.}                        |  |   | { South Metropolitan Gas Co., 709A                                  |
| 1883 Dec. 4.}                        |  | *LIVESEY, FRANK .. .. .                 | Old Kent Road, S.E.   |
| 1872 Mar. 5.}                        |  | LIVESEY, GEORGE THOMAS ..               | Shagbrook, Reigate.   |
| 1886 May 18.}                        |  |   |   |
| 1894 Jan. 23.}                       |  | *LIVESEY, HARRY .. .. .                 | Broad Street Avenue, E.C.   |
| 1867 Dec. 3.}                        |  |   |   |
| 1878 Feb. 19.}                       |  | LIVESEY, JAMES .. .. .                  | Broad Street Avenue, E.C.   |
| 1896 Feb. 4.}                        |  | LLOYD, ROBERT SAMUEL ..                 | { Hayward-Tyler & Co., 90 White-<br>cross St., E.C.                 |
| T t † 1854 Mar. 7.}                  |  | LLOYD, WILLIAM .. .. .                  | 19 Finchley Road, N.W.  |
| 1875 Jan. 12.}                       |  |   |   |
| 1886 May 11.}                        |  | LOBLEY, JOSEPH .. .. .                  | Boro' Surveyor, Hanley, Staffs.                                     |
| 1877 Jan. 16.}                       |  |   |   |
| 1889 Apr. 9.}                        |  | *LOCKHART, WILLIAM STRONACH             | { Automatic Gem-Separator Syndicate,<br>19 St. Swithin's Lane, E.C. |
| 1889 May 24.}                        |  |   |   |
| 1874 May 9.}                         |  | LOCKWOOD, PHILIP CAUSTON ..             | 1 Gloucester Place, Brighton.                                       |
| 1888 Apr. 10.}                       |  |   |   |
| 1898 Feb. 8.}                        |  | LOCKYER, NORMAN JOSEPH ..               | Sharp, Stewart & Co., Glasgow.                                      |



| Date of Election<br>and of Transfer. | MEMBERS.   |   |
|--------------------------------------|--|---|
| 1878 Feb. 5.                         | *LOGAN, ROBERT PATRICK TRE-                                | Francis Street, Dundalk.<br>(Stanton-by-Dale, Nottingham. (Long-<br>den, Stanton, Alferton.)    |
| 1890 Apr. 22.                        | DENNICK .. .. .  |   |
| 1887 May 24.                         | LONGDEN, JOHN ALFRED ..                                    |   |
| 1874 Mar. 3.                         | LONGRIDGE, MICHAEL,  | (Linkvretten, Ashley Road, Peel<br>Causeway, Cheshire.  |
| 1880 May 11.                         | M.A. ( <i>Cantab.</i> ) .. .. .                            |   |
| t ✚ { 1883 May 29.                   | LOPES, GEORGE, B.A. ( <i>Cantab.</i> )                     | L.B. & S.C.Ry., London Bridge, S.E.   |
| 1889 Nov. 5.                         |  |   |
| 1867 Mar. 5.                         | LOWE, CHARLES HARLOWE ..                                   | Vestry Hall, Haverstock Hill, N.W.  |
| 1896 Feb. 4.                         |  |   |
| ✚ 1877 Dec. 4.                       | LOWE, JOHN HENRY .. ..                                     | Ry. Dept., Wellington, N.Z.   |
| 1885 Dec. 1.                         | { LOWE, JOHN LANDOR,<br>B.Sc. ( <i>Lond.</i> ) .. .. .     | Midland Ry., Derby.   |
| 1891 Jan. 13.                        | LOWE, LOUIS JOHN MCKENZIE                                  |   |
| 1884 Feb. 5.                         | LUCAS, WILLIAM OWEN .. ..                                  | Casilla 655, Buenos Aires.<br>Central Ry., Rosario, Argentina.                                  |
| 1895 Mar. 5.                         |  |   |
| 1883 Feb. 6.                         | LUFF, JOHN MIDDLEMISS ..                                   | Wye Lodge, Wimbledon Park.<br>{ 63 Homewood Avenue, Toronto,<br>Canada.                         |
| 1880 Dec. 7.                         | LUKE, ARTHUR GEORGE .. ..                                  |   |
| 1885 Mar. 3.                         | LUMSDEN, HUGH DAVID .. ..                                  | Rhymney Railway, Cardiff.   |
| 1876 Mar. 7.                         | LUNDIE, CORNELIUS .. ..                                    |   |
| 1876 Feb. 1.                         | LUNDIE, GEORGE ARCHIBALD                                   | Cardiff.<br>{ 6 De Grey Road, Leeds. (Arnold<br>(Lupton, Leeds. 330.)                           |
| 1879 Mar. 4.                         |  |   |
| 1878 May 7.                          | LUPTON, <i>Professor</i> ARNOLD ..                         | Ottawa, Canada.   |
| 1881 Dec. 6.                         | LYNCH, FRANCIS JOSEPH .. ..                                |   |
| 1877 Dec. 4.                         | LYNDE, FRANCIS GASCOIGNE ..                                | B.B. & C.I. Ry., Eng.'s Dept., Bombay.  |
| 1882 May 23.                         |  |   |
| 1875 May 11.                         | LYNDE, JAMES HENRY .. ..                                   | { Buckland, Ashton-on-Mersey, Man-<br>chester.  |
| 1877 Nov. 27.                        |  |   |
| 1884 Dec. 2.                         | LYNN, GRAHAM RIGBY .. ..                                   | { Chief Engineer's Office, Baroda,<br>Bombay.   |
| 1890 May 20.                         |  |   |
| 1888 Dec. 4.                         | LYONS, ANDREW OLIVER .. ..                                 | County Surveyor, Mallow, co. Cork.  |
| 1882 Dec. 5.                         | { LYSTER, ANTHONY GEORGE.<br>( <i>Member of Council.</i> ) | Dockyard, Liverpool.  |
| ✚ 1858 Dec. 7.                       | LYSTER, GEORGE FOSBERY ..                                  |   |
| 1882 Feb. 7.                         | *MACALISTER, DANIEL .. ..                                  | 20 Patrick Street, Greenock, N.B.   |
| ✚ { 1891 Sept. 29.                   |  |   |
| 1881 May 31.                         | MACALISTER, ROBERT .. ..                                   | P.W.D., Roorkee, India.   |
| 1896 May 12.                         |  |   |
| 1879 Feb. 4.                         | MACASSEY, LUKE LIVINGSTON                                  | 38 Parliament Street, S.W.  |
| 1886 Feb. 9.                         |  |   |
| 1873 May 6.                          | MACBRIDE, ROBERT KNOX, }                                   | Junior Carlton Club, Pall Mall, S.W.  |
| 1879 Nov. 4.                         | C.M.G. .. .. .   |   |
| 1864 Apr. 5.                         | MCLEAN, FRANK,   | { Norfolk House, Norfolk Street,<br>Strand. W.C.  |
| 1867 Dec. 10.                        | M.A. ( <i>Cantab.</i> ), F.R.S. ..                         |   |
| 1867 Dec. 3.                         | McCLELLAND, WALTER SIMPSON                                 | The White House, Sevenoaks.<br>Govt. Rys., Hobart, Tasmania.                                    |
| 1891 May 5.                          | McCORMICK, JOHN MACNEILL                                   |   |
| 1882 Feb. 7.                         | McCUDDEN, EDMUND GERALD }                                  | King, King & Co., Bombay.   |
| 1886 Nov. 2.                         | JAMES .. .. .  |   |
| 1889 Mar. 5.                         | McCULLOUGH, FREDERICK }                                    | Waterworks Engineer, Belfast.   |
| 1896 May 12.                         | WILLIAM .. .. .  |   |
| 1885 Dec. 1.                         | McCURRICH, JOHN MARTIN,                                    | Dock Office, Cumberland Basin,<br>Bristol.  |
| 1892 Nov. 22.                        | M.A. ( <i>Edin.</i> ) .. .. .                              |   |
| 1891 Apr. 7.                         | McDONALD, ALEXANDER BEITH                                  | City Engineer, Glasgow.<br>1 Osborne Road, Clifton, Bristol.                                    |
| 1874 Mar. 3.                         | McDONALD, ARTHUR HARMAN                                    |   |
| 1881 Dec. 6.                         | *McDONALD, JOHN ALEXANDER                                  | { P.W.D., Perth, Western Australia.<br>Eng.'s Office, Midland Ry., Derby.<br>(Engineer, Derby.) |
| 1888 Feb. 23.                        |  |   |
| 1878 Mar. 5.                         | McDONALD, JOHN ALLEN ..                                    |   |

| Date of Election<br>and of Transfer. |                 | MEMBERS.   |
|--------------------------------------|-----------------|--|
| t ✕                                  | 1872 Feb. 6.    | { McDONNELL, ALEXANDER,<br>M.A. ( <i>Dubl.</i> ) ... .. } Rydens, Hersharn Road, Walton-on-<br>Thames. |
|                                      | 1875 Feb. 2.    | { McDougall, Niel .. .. } Guildhall Chambers, Lloyd Street,<br>Manchester.                             |
|                                      | 1881 Mar. 15.   | { MacGeorge, George Walter .. .. } Annandale, Paignton, South Devon.                                   |
|                                      | 1877 May 29.    | { McGregor, Josiah .. .. } 31 Victoria Rd., Upper Norwood, S.E.  |
|                                      | 1879 Apr. 1.    | { P.W.D., Western Circle, Mysore,<br>India.  |
|                                      | 1896 Dec. 1.    | { McHutchin, William .. .. } 14 Victoria Street, S.W.  |
|                                      | 1867 Dec. 3.    | { MacIntyre, John Stevenson .. .. } A. Fletcher & Co., 2 St. Helen's<br>Place, E.C.                    |
|                                      | 1890 Feb. 4.    | { Mackenzie, Archibald .. .. } Broken Hill Chambers, 31 Queen St.,<br>Melbourne, Victoria.             |
| T t ✕                                | 1897 Nov. 30.   | { Thomas .. .. }   |
|                                      | { 1875 May 4.   | { Mackenzie, John Bower .. .. } 12 Victoria Street, S.W.   |
|                                      | { 1878 Apr. 30. | { McKerrrow, Alexander .. .. } 11 Victoria Street, S.W.  |
|                                      | { 1866 Jan. 9.  | { McKie, Hugh Unsworth .. .. } Athenæum Club, Sydney, N.S.W.   |
|                                      | { 1871 Dec. 5.  | { McKinney, Hugh Giffen .. .. } 12 Fopstone Road, Earl's Court,<br>S.W.                                |
|                                      | { 1859 Mar. 1.  | { Mackinnon, Alexander Ken-<br>dall .. .. } H. S. King & Co., 65 Cornhill, E.C.                        |
|                                      | { 1885 Dec. 1.  | { Mackinnon, Matthie Charles .. .. } Selsley Lawn, Cheltenham.   |
|                                      | { 1880 Jan. 13. | { MacLaran, Francis Blayney .. .. } Grindlay & Co., Parliament St., S.W.                               |
|                                      | { 1885 Feb. 24. | { MacLaren, James Waddell .. .. } Chartered Bank Buildings, Singa-<br>pore, S.S.                       |
|                                      | 1870 Apr. 5.    | { Boyd .. .. } Midland Engine Works, Hunslet,<br>Leeds. (McLaren, Leeds.)                              |
|                                      | 1870 May 24.    | { McLaren, John .. .. }  |
|                                      | 1893 Nov. 7.    | { McLaughlin, Frederick James .. .. } 8 Old Park Avenue, Balham, S.W.                                  |
|                                      | 1859 May 24.    | { MacLay, William Walter, } Box 512, Glens Falls, New York,<br>M.A. ( <i>New York</i> ) .. .. } U.S.A. |
|                                      | 1878 Apr. 30.   | { MacLean, Francis William .. .. } Railway Dept., Dunedin, N.Z.  |
|                                      | 1874 Mar. 3.    | { MacLeod, Henry Augustine } 340 Cooper Street, Ottawa, Canada.  |
|                                      | 1892 Apr. 26.   | { Fitzgerald .. .. }   |
|                                      | 1888 Dec. 4.    | { McMordie, David, } Water Conservation Dept., Sydney,<br>B.E. ( <i>Queen's</i> ) .. .. } N.S.W.       |
|                                      | 1898 Mar. 22.   | { Boyd .. .. }   |
| ✕                                    | { 1876 May 2.   | { McLaren, John .. .. }  |
|                                      | { 1892 Nov. 8.  | { McLaughlin, Frederick James .. .. }  |
|                                      | 1879 May 6.     | { MacLay, William Walter, } Box 512, Glens Falls, New York,<br>M.A. ( <i>New York</i> ) .. .. } U.S.A. |
|                                      | 1887 May 17.    | { MacLean, Francis William .. .. } Railway Dept., Dunedin, N.Z.  |
|                                      | 1894 Apr. 3.    | { MacLeod, Henry Augustine } 340 Cooper Street, Ottawa, Canada.  |
|                                      | 1883 Dec. 4.    | { Fitzgerald .. .. }   |
|                                      | 1897 Mar. 15.   | { McMordie, David, } Water Conservation Dept., Sydney,<br>B.E. ( <i>Queen's</i> ) .. .. } N.S.W.       |
|                                      | 1878 May 28.    | { Boyd .. .. }   |
|                                      | 1885 May 19.    | { McLaren, John .. .. }  |
|                                      | 1857 Dec. 1.    | { McLaughlin, Frederick James .. .. }  |
|                                      | 1870 May 24.    | { MacLay, William Walter, } Box 512, Glens Falls, New York,<br>M.A. ( <i>New York</i> ) .. .. } U.S.A. |
|                                      | 1884 Dec. 2.    | { MacLean, Francis William .. .. } Railway Dept., Dunedin, N.Z.  |
|                                      | 1891 May 5.     | { MacLeod, Henry Augustine } 340 Cooper Street, Ottawa, Canada.  |
|                                      | 1897 Dec. 7.    | { Fitzgerald .. .. }   |
|                                      | 1870 Dec. 6.    | { McMordie, David, } Water Conservation Dept., Sydney,<br>B.E. ( <i>Queen's</i> ) .. .. } N.S.W.       |
|                                      | 1878 Feb. 19.   | { Boyd .. .. }   |
| W t ✕                                | 1873 May 20.    | { McLaren, John .. .. }  |
|                                      | 1879 Dec. 2.    | { McLaughlin, Frederick James .. .. }  |
|                                      | 1886 Dec. 7.    | { MacLay, William Walter, } Box 512, Glens Falls, New York,<br>M.A. ( <i>New York</i> ) .. .. } U.S.A. |
|                                      | 1863 May 5.     | { MacLean, Francis William .. .. } Railway Dept., Dunedin, N.Z.  |
| ✕                                    | { 1876 Dec. 5.  | { MacLeod, Henry Augustine } 340 Cooper Street, Ottawa, Canada.  |
|                                      | { 1889 Dec. 3.  | { Fitzgerald .. .. }   |
|                                      | 1882 Dec. 5.    | { McMordie, David, } Water Conservation Dept., Sydney,<br>B.E. ( <i>Queen's</i> ) .. .. } N.S.W.       |
|                                      | { 1872 Dec. 3.  | { Boyd .. .. }   |
| ✕                                    | { 1879 May 27.  | { McLaren, John .. .. }  |
|                                      | 1883 Dec. 4.    | { McLaughlin, Frederick James .. .. }  |
|                                      | 1870 May 24.    | { MacLay, William Walter, } Box 512, Glens Falls, New York,<br>M.A. ( <i>New York</i> ) .. .. } U.S.A. |
|                                      | 1893 Jan. 17.   | { MacLean, Francis William .. .. } Railway Dept., Dunedin, N.Z.  |
| t ✕                                  | 1864 Dec. 6.    | { MacLeod, Henry Augustine } 340 Cooper Street, Ottawa, Canada.  |

| Date of Election<br>and of Transfer. |                 | MEMBERS.   |   |
|--------------------------------------|-----------------|--|---|
| t †                                  | 1888 Mar. 6.    | MANN, ISAAC JOHN .. ..                               | { Eng.'s Office, Fishguard Bay,<br>South Wales.                       |
|                                      | 1876 May 2.     | MANNERING, HORACE JOHN -                             | 33 Garlies Road, Forest Hill, S.E.                                    |
|                                      | 1897 Feb. 23.   |  |   |
|                                      | 1870 May 24.    | MANNERS, CHARLES ROBERT ..                           | 12 Lombard Street, Inverness.   |
|                                      | 1887 Nov. 8.    | MANNING, JOHN RICHARDS ..                            | 9 Bridge Street, Westminster, S.W.<br>Cairo. [Rio de Janeiro.]        |
|                                      | 1864 Dec. 6.    |  |   |
|                                      | 1887 May 3.     | MANOUG, JOSEPH LATIF, <i>Bey</i>                     | Caixa 152, Rio de Janeiro. (Sarmia,                                   |
|                                      | 1889 Dec. 3.    | MANSELL, ALFRED JOHN ..                              | Caixa m 61, Bahia, Brazil.  |
|                                      | 1893 Dec. 5.    | MANSELL, WALTER ..                                   | { 5 Victoria Street, S.W. (Survey,<br>London.)                        |
| T t †                                | { 1859 Apr. 5.  | MANSERGH, JAMES .. ..                                | { 5 Victoria Street, S.W. (Survey,<br>London.)                        |
|                                      | { 1873 Dec. 9.  |  |   |
|                                      | { 1881 Dec. 6.  | (Vice-President.)                                    |   |
| †                                    | { 1892 Nov. 29. | MARCHANT, FREDERIC WILLIAM                           | Timaru, New Zealand.  |
|                                      | 1854 Mar. 7.    | { MARCOARTU, H. E. <i>Don AR-</i><br>TURO DE .. .. . | Senate, Madrid.   |
| †                                    | 1866 Feb. 6.    | MARILLIER, ROBERT ASPLAND                            | Holbeck Hurst, Scarborough.   |
|                                      | 1892 Dec. 6.    | MARLEY, JOHN WILLIAM ..                              | Thornfield, Darlington.   |
| m                                    | { 1883 Mar. 6.  | *MARRIOTT, WILLIAM .. ..                             | { M. & G. N. Rys., Melton Constable.<br>(Marriott, Melton Constable.) |
|                                      | { 1891 Nov. 17. |  |   |
|                                      | 1897 Dec. 7.    | { MARSH, CHARLES WILLIAM<br>EARLE .. .. .            | { St. Helen's, Stow Park, Newport,<br>Mon.                            |
|                                      | 1877 May 29.    | *MARSH, HENRY .. .. .                                | Ballyraggel House, co. Kilkenny.                                      |
|                                      | 1890 Mar. 4.    | MARSH, THOMAS EDWARD MILLES                          | 34 Grosvenor Place, Bath.<br>190 St. Helen's Road, Swansea.           |
|                                      | 1862 Mar. 4.    |  |   |
|                                      | 1891 Feb. 3.    | MARSH, WILLIAM SUTCLIFFE ..                          | { Hawthorn's Works., Newcastle-on-<br>Tyne                            |
|                                      | 1866 Jan. 9.    | MARSHALL, FRANCIS CARR ..                            | { Richmond Hill, Birmingham.<br>(Augustus, Birmingham. 3533.)         |
| †                                    | { 1877 Feb. 6.  | MARSHALL, WILLIAM BAYLEY                             | { Richmond Hill, Birmingham.<br>(Augustus, Birmingham. 3533.)         |
|                                      | { 1887 Apr. 19. |  |   |
| †                                    | { 1845 June 3.  | MARSHALL, WILLIAM PRIME ..                           | { Richmond Hill, Birmingham.<br>(Augustus, Birmingham. 3533.)         |
|                                      | { 1866 Apr. 10. |  |   |
|                                      | 1857 Jan. 13.   | MARTEN, EDWARD BINDON ..                             | Pedmore, near Stourbridge.  |
|                                      | 1877 May 8.     | *MARTEN, EDWARD DIMMACK, {                           | { The Birches, Cod-all, Wolverhamp-<br>ton.                           |
|                                      | { 1883 May 1.   |  |   |
|                                      | { 1893 May 2.   | M.A. ( <i>Cantab.</i> ) .. .. .                      | Thornbank, Kenley, Surrey.  |
|                                      | 1883 Feb. 6.    | MARTIN, DANIEL FRANCIS ..                            | { St. Stephen's House, St. Stephen's<br>Square, W.                    |
|                                      | 1875 May 4.     | MARTIN, EDWARD JAMES ..                              | Dowlais Iron Works, Glamorgan.  |
|                                      | 1881 Apr. 5.    | MARTIN, EDWARD PRITCHARD                             | P. & O. Co., 122 Leadenhall St., E.C.                                 |
|                                      | 1897 Jan. 12.   | MARTIN, EDWIN LEWIS ..                               |   |
|                                      | 1886 May 18.    | MARTIN, FRANCIS WILLIAM ..                           | Dowlais Iron Works, Glamorgan.  |
|                                      | 1888 Dec. 4.    | MARTIN, HENRY WILLIAM ..                             | C. Cowan, 6 Gt. Winchester St., E.C.                                  |
|                                      | 1889 Apr. 5.    | MARTINEAU, WILLIAM .. ..                             | San Martin 550, Buenos Ayres.   |
|                                      | 1896 May 19.    | MASCHWITZ, CARLOS .. ..                              | Perth, W. Australia.  |
|                                      | 1884 Apr. 1.    | MASON, CLAYTON TURNER ..                             | { 25 Queen Anne's Gate, S.W. (Mas-<br>sive, London.)                  |
|                                      | 1888 May 15.    | MASSEY, WILLIAM HENRY ..                             | Salford Ironworks, Manchester.  |
|                                      | 1886 Feb. 2.    | MATHER, WILLIAM .. .. .                              | Caledonian Ry., 3 Germiston Street,<br>Glasgow.                       |
|                                      | 1887 Feb. 1.    | MATHESON, DONALD ALEX-}                              | { 13 Walbrook, E.C. (Matheson, Wal-<br>brook.)                        |
|                                      | 1895 Dec. 3.    | ANDER .. .. .  |   |
| t †                                  | 1876 May 2.     | MATHESON, EWING .. .. .                              | Clayton, Surbiton Hill Park.  |
|                                      | 1865 Mar. 7.    | { MATTHEWS, HENRY MONTAGU,<br>C.I.E. .. .. .         | Trinity House, E.C.   |
|                                      | 1877 Feb. 6.    | MATTHEWS, THOMAS .. ..                               | { 9 Victoria Street, S.W. (Penlee,<br>London.)                        |
|                                      | 1884 May 6.     |  |   |
|                                      | 1870 Dec. 6.    | MATTHEWS, WILLIAM                                    | (Member of Council) .. ..   |
|                                      | 1876 Dec. 5.    | MATTHEWS, WILLIAM .. ..                              | Municipal Offices, Southampton.                                       |
| t †                                  | { 1882 Apr. 4.  |  |   |
|                                      | { 1889 Apr. 30. |  |   |
|                                      | 1849 Mar. 6.    | MAUDSLAY, HENRY .. .. .                              | 47 Lincoln's Inn Fields, W.C.   |
|                                      | 1871 May 2.     | MAUDSLAY, WALTER HENRY ..                            | { 108 Westminster Bridge Road, S.E.<br>(Hop 681.)                     |
|                                      | 1877 Dec. 18.   |  |   |

|       | Date of Election<br>and of Transfer. | MEMBERS.   |  |
|-------|--------------------------------------|--|--|
|       | 1896 Feb. 4.                         | MAW, WILLIAM HENRY .. ..                             | 35 Bedford Street, Strand, W.C.  |
|       | 1885 Dec. 1.                         |  |  |
|       | 1898 Feb. 8.                         | MAWBEX, ENOCH GEORGE ..                              | Boro' Surveyor, Leicester.   |
| m m ✦ | { 1873 Jan. 14.                      | *MAXWELL, JOSEPH PRIME ..                            | Wellington, N.Z.   |
|       | { 1883 May 29.                       |  |  |
|       | 1886 Dec. 7.                         |  |  |
|       | 1894 Mar. 6.                         | MAY, FRANCIS JOHN CHARLES                            | 25 Compton Avenue, Brighton.   |
| ✦     | { 1876 May 2.                        | MAYLOR, WILLIAM .. ..                                | { Chesterleigh, Albemarle Road,<br>Beckenham.                          |
|       | { 1879 Feb. 4.                       |  |  |
|       | 1879 Feb. 4.                         |  |  |
|       | 1891 Mar. 30.                        | MEADE, THOMAS DE COURCY ..                           | Kenmore, Didsbury, Manchester.   |
| S t ✦ | { 1887 Dec. 6.                       | MEADE-KING, WILLIAM OLIVER                           | { Local Govt. Board, Whitehall, S.W.                                   |
|       | { 1890 Dec. 9.                       |  |  |
|       | 1863 May 5.                          | MEDEIROS, VIRIATO DE .. ..                           | Rio de Janeiro.  |
|       | ✦ 1888 Feb. 7.                       | MEIK, CHARLES SCOTT .. ..                            |  |
| ✦     | { 1876 May 2.                        | *MEIK, PATRICK WALTER ..                             | 16 Victoria Street, S.W. (Snowdon,<br>London.)                         |
|       | { 1880 Apr. 27.                      |  |  |
|       | 1886 May 4.                          |  |  |
|       | 1897 Dec. 7.                         | MELDRUM, JAMES .. ..                                 | 10 Victoria Street, S.W.   |
|       | 1874 May 5.                          |  |  |
|       | 1891 Nov. 17.                        | MELLISS, JOHN CHARLES ..                             | { 264 Gresham House, Old Broad<br>Street, E.C.                         |
|       | 1893 Mar. 7.                         | MELVILLE, WILLIAM .. ..                              | St. Enoch Station, Glasgow.  |
|       | 1883 Dec. 4.                         | MENEZES, CAMILLO MARIA DE                            | { Señor D. Level, 42 Rua da Passagem,<br>Rio de Janeiro.               |
|       | 1885 May 5.                          | MÉRIC, LEOPOLD DOLLFUS DE                            |  |
|       | 1888 May 1.                          |  |  |
|       | 1893 Jan. 10.                        | MERIVALE, WALTER .. ..                               | Barbados Ry., Barbados.  |
|       | 1888 Mar. 6.                         |  |  |
|       | 1896 Nov. 24.                        | *MESSENT, PHILIP GLYNN ..                            | Port Trust, Bombay.  |
|       | 1879 Dec. 2.                         |  |  |
|       | 1889 Jan. 29.                        | MESTAYER, RICHARD LIRON ..                           | Municipal Offices, Wellington, N.Z.                                    |
|       | 1896 Mar. 3.                         | METCALF, WILLIAM .. ..                               | { 707 Ferguson Block, Pittsburgh,<br>U.S.                              |
|       | 1885 Mar. 3.                         | { METCALFE, Sir CHARLES                              | 28 Victoria Street, S.W.   |
|       | 1897 Apr. 6.                         | { HERBERT, THEOPHILUS, Bart.                         |  |
|       | 1875 Feb. 2.                         | METHVEN, CATHCART WILLIAM,                           |  |
|       | 1882 Feb. 14.                        | F.R.S.E. .. ..                                       | Harbour Works, Port Natal.   |
|       | 1878 Feb. 5.                         | *MEYSEY - THOMPSON, ARTHUR                           | { Hathoru, Davey & Co., Leeds.<br>(Hathorn, Leeds. 524.)               |
|       | 1894 Dec. 4.                         | HERBERT .. ..  |  |
|       | 1874 Dec. 1.                         |  |  |
|       | 1891 Dec. 8.                         | MICHELE, VITALE DOMENICO DE                          | Higham Hall, Rochester.  |
| ✦     | { 1870 Feb. 1.                       | MIDDLETON, REGINALD EMPSON                           | { 17 Victoria Street, S.W. (Appoint,<br>London.)                       |
|       | { 1885 Dec. 1.                       |  |  |
|       | 1863 Mar. 3.                         | MIERS, FRANCIS CHARLES ..                            | Eden Cottage, Beckenham.   |
|       | 1876 Mar. 7.                         |  |  |
|       | 1886 Feb. 9.                         | MILLER, HENRY .. ..                                  | { Bosmere House, Norwich Road,<br>Ipswich.                             |
|       | 1869 May 11.                         |  |  |
|       | 1878 Mar. 21.                        | MILLER, THOMAS .. ..                                 | { Dock Commission and Harwich Har-<br>bour Conservancy Board, Ipswich. |
|       | 1898 Apr. 5.                         | MILLS, GRANVILLE .. ..                               | Hydrabad-Godavery Valley Ry.,<br>Indur, Deccan, India.                 |
| t ✦   | 1891 May 12.                         | MILLS, MANSFELDT HENRY ..                            | Mansfield-Woodhouse, Notts.  |
|       | 1862 Apr. 1.                         | MILLS, WILLIAM HEMINGWAY ..                          | Nurney, Glenagarey, co. Dublin.  |
|       | 1877 Dec. 4.                         |  |  |
|       | 1889 Nov. 5.                         | *MILSOM, BOSWELL PARKINSON                           | { Grindlay & Co., 55 Parliament St.,<br>S.W.                           |
|       | 1891 May 5.                          | MIRRELES, WILLIAM JULIUS,                            |  |
|       | 1895 May 14.                         | B.Sc. (Glas.) .. ..                                  | Tongaant, Natal.   |
| t ✦   | 1881 Mar. 1.                         | MOBERLY, CHARLES HENRY ..                            | 33 Bennett Park, Blackheath, S.E.                                      |
| m ✦   | { 1889 Feb. 5.                       | *MOIR, ERNEST WILLIAM ..                             | { Blackwall Tunnel, East Green-<br>wich, S.E.                          |
|       | { 1894 May 22.                       |  |  |
|       | 1889 Dec. 3.                         | MOLESWORTH, HENRY BRIDGES                            | { Heenan & Froude, 4 Chapel Walks,<br>Manchester.                      |
| W m ✦ | { 1854 Mar. 7.                       | { MOLESWORTH, Sir GUIL-<br>FORD LINDSEY, K.C.I.E. .. | The Manor House, Bexley, Kent.   |
|       | { 1862 Nov. 25.                      |  |  |
|       |                                      | (Member of Council.)                                 |  |



Date of Election  
and of Transfer.

## MEMBERS.

|       |                 |                                  |  |
|-------|-----------------|----------------------------------|--|
|       | 1889 May 21.    | } MOLINE, LEWIS PRICHARD         | { Kensington Road, South Yarra, Melbourne, Victoria.     |
|       | 1891 Dec. 8.    |                                  |  |
|       | 1872 May 7.     |                                  |  |
|       | 1887 May 24.    | *MOLLETT, FREDERICK HERBERT      | 6 Delahay Street, Westminster, S.W.                      |
|       | 1889 Feb. 5.    | } MOLLISON, JAMES SMITH ..       | P. W. D., Sydney, N.S.W.                                 |
|       | 1895 Apr. 9.    |                                  |  |
|       | 1896 Dec. 1.    | MOLLOY, ROBERT ALFRED ..         | H. S. King & Co., 45 Pall Mall, S.W.                     |
|       | 1888 May 1.     | MONCRIEFF, ALEXANDER BAIN        | Eng.-in-Chief, Adelaide, S. Australia.                   |
| t ✱   | { 1890 May 6.   | } MONCRIEFF, JOHN MITCHELL       | { 2 St. Nicholas Buildings, Newcastle-on-Tyne.           |
|       | { 1897 Jan. 19. |                                  |  |
|       | 1887 May 24.    | MONCRIEFF, JOSEPH COWAN BAIN     | Ry. Station, Adelaide, S. Australia.                     |
|       | 1875 Dec. 7.    | } MONK, HUGH LEWIN .. ..         | King, Hamilton & Co., Calcutta.                          |
|       | 1890 Nov. 11.   |                                  |  |
|       | 1886 Jan. 12.   | MONRO, THOMAS .. ..              | { Dept. of Rys. & Canals, Ottawa, Canada.                |
|       | 1878 May 28.    | *MONTAGUE, JOHN MONT-            | Brynsworthy, Barnstaple.                                 |
|       | 1893 Nov. 7.    | HERMER, M.A. ( <i>Oxon.</i> ) .. |  |
|       | 1866 May 15.    | MOORE, ALFRED .. ..              | 2 Ridgfield, Manchester.                                 |
| ✱     | { 1879 Mar. 4.  | { MOORE, BENJAMIN THEOPHILUS.    | Longwood, Bexley, Kent.                                  |
|       |                 |                                  |  |
|       | 1880 Dec. 7.    | } MOORE, EDWARD JAMES .. ..      | Grindlay & Co., Calcutta.                                |
|       | 1884 Oct. 14.   |                                  |  |
|       | 1880 Dec. 7.    | } MOORE, GEORGE EDWARD ..        | 10 Grosvenor Hill, Wimbledon, S.W.                       |
|       | 1884 Mar. 4.    |                                  |  |
|       | 1883 Dec. 4.    | *MOORE, RICHARD ST. GEORGE       | 17 Victoria Street, S.W.                                 |
|       | 1895 Apr. 2.    |                                  |  |
|       | 1887 Dec. 6.    | MOORE, ROBERT .. ..              | Laclede Building, St. Louis, Mo., U.S.                   |
|       | 1867 Jan. 8.    | MOORSOM, LEWIS HENRY ..          | 20 Cooper Street, Manchester.                            |
|       | 1888 Jan. 10.   | MORCOM, ALFRED .. ..             | Ledsam Street Works, Birmingham.                         |
| ✱     | { 1866 Dec. 4.  | } MORE, CHARLES JAMES .. ..      | { Thames Conservancy, Victoria Embankment, E.C.          |
|       | { 1879 Apr. 29. |                                  |  |
| ✱     | { 1886 Mar. 2.  | } MORE, JAMES, JUN. ... ..       | 13 Drummond Place, Edinburgh.                            |
|       | { 1896 Dec. 22. |                                  |  |
| ✱     | { 1881 Dec. 6.  | *MOREING, CHARLES ALGERNON       | { Broad Street House, E.C. (Bewick, London. Avenue 630.) |
|       | { 1888 Feb. 7.  |                                  |  |
|       | 1869 May 4.     | MORELAND, RICHARD .. ..          | { 4 Highbury Quadrant, N. (Expansion, London.)           |
|       | 1883 Jan. 9.    | } MORGAN, CHARLES LANGERIDGE     | { L. B. & S. C. Ry., London Bridge, S.E.                 |
|       | 1889 Apr. 30.   |                                  |  |
|       | 1882 Dec. 5.    | } MORGAN, WALTER CAMPBELL DE     | Arbuthnot & Co., Madras.                                 |
|       | 1891 May 12.    |                                  |  |
|       | 1892 Dec. 6.    | MORGANS, THOMAS .. ..            | 60 Queen Square, Bristol.                                |
| ✱     | 1891 May 5.     | MORISON, GEORGE SHATTUCK         | 35 Wall Street, New York, U.S.                           |
|       | 1892 May 24.    | *MORLEY, GEORGE STREATFIELD      | P.W.D., Silchar, Cachar, India.                          |
|       | 1897 Apr. 6.    | MORLEY, HENRY .. ..              | Gasworks, Cardiff.                                       |
|       | 1884 Dec. 2.    | } MORRIS, DAVID .. ..            | H. S. King & Co., 45 Pall Mall, S.W.                     |
|       | 1889 May 21.    |                                  |  |
|       | 1870 Feb. 1.    | } MORRIS, FRANK .. ..            | Stile House, Lyme Regis.                                 |
|       | 1878 Apr. 30.   |                                  |  |
|       | 1881 May 31.    | MORRIS, THOMAS BACON ..          | H. S. King & Co., 45 Pall Mall, S.W.                     |
| t ✱   | { 1870 Mar. 1.  | } MORRIS, WILLIAM .. ..          | Kent Waterworks, Deptford, S.E.                          |
|       | { 1877 Dec. 11. |                                  |  |
| W t ✱ | { 1870 Feb. 1.  | } MORRISON, GABRIEL JAMES ..     | Shanghai, China.   |
|       | { 1874 Nov. 17. |                                  |  |
|       | 1893 Feb. 7.    | MORTON, ANDREW .. ..             | Waltair, East Coast Ry., Madras.                         |
|       | 1892 Mar. 1.    | } MORTON, DAVID HOME .. ..       | 95 Bath Street, Glasgow.                                 |
|       | 1898 Mar. 1.    |                                  |  |
| ✱     | { 1872 Dec. 3.  | } MORTON, ROBERT .. ..           | { 321 Dashwood House, New Broad Street, E.C.             |
|       |                 |                                  |  |
|       | 1877 Dec. 4.    | MORTON, WILLIAM .. ..            | 98 Oxford Gardens, W.                                    |
| m     | { 1879 Feb. 4.  | *MOSS-BLUNDELL, ARTHUR           | 2 Victoria Mansions, Westminster, S.W.                   |
|       | { 1888 May 15.  |                                  |  |
| T t ✱ | 1862 Jan. 14.   | MOSSE, JAMES ROBERT .. ..        | 5 Chiswick Place, Eastbourne.                            |

|     | Date of Election<br>and of Transfer. | MEMBERS.                       |  |
|-----|--------------------------------------|--------------------------------|--|
|     | 1884 Dec. 2.)                        | MOSTYN, ROBERT JOHN COUR-      | Thames Conservancy, Victoria Em-       |
|     | 1890 Apr. 29.)                       | TENAY .. .. .                  | bankment, E.C.                         |
|     | 1895 Mar. 5.                         | MOTT, BASIL .. .. .            | 8 Queen Anne's Gate, S.W.              |
| †   | 1885 May 5.                          | MOUNTAIN, ADRIEN CHARLES..     | City Surveyor, Melbourne, Victoria.    |
| t   | † { 1880 Dec. 7.)                    | *MOYLE, GEORGE .. .. .         | c.o. Alliance Bank of Simla, Calcutta. |
|     | 1890 Nov. 11.)                       |                                |  |
|     | 1871 Apr. 4.)                        | MUIR, EDWIN .. .. .            | { 21 Devonshire Street, Higher         |
|     | 1877 Nov. 27.)                       |                                | Broughton, Manchester.                 |
|     | 1892 May 3.                          | *MULLALLY, JOSEPH JOHN ..      | H. S. King & Co., 45 Pall Mall, S.W.   |
|     | 1888 Feb. 7.                         | { MULVANY, CHRISTOPHER JOHN,   | County Surveyor's Office, Athlone,     |
|     |                                      | B.A.I. (Dubl.) .. .. .         | Ireland.                               |
|     | 1875 Dec. 7.)                        | MURRAY, Hon. ALEXANDER ..      | Surveyor-General, Singapore, S.S.      |
|     | 1892 Nov. 1.)                        |                                |  |
|     | 1891 Mar. 3.                         | MURRAY, FREDERICK CHARLES      | Rawal Pindi, Punjab.                   |
|     | 1874 Dec. 1.)                        | { MURZBAN, MUNCHERJI COWASJI,  | Gulestan, Murzban Road, Bombay.        |
|     | 1896 Jan. 28.)                       | Khan Bahadur, C.I.E. .. ..     |  |
| III | { 1876 Feb. 1.)                      | *MYERS-BESWICK, WILLIAM        | { 14 Victoria Street, S.W.             |
|     | 1882 Jan. 24.)                       | BESWICK .. .. .                |  |
|     | 1897 Dec. 7.                         | { MYLES, THOMAS JOSEPH, B.A.I. | Midland Great Western Railway,         |
|     |                                      | (Dubl.) .. .. .                | Athlone, Ireland.                      |
|     | 1876 Dec. 5.                         | NAPIER, JOHN .. .. .           | { C, Audley Mansions, Grosvenor        |
|     |                                      |                                | Square, W.                             |
|     | 1898 Jan. 11.                        | NAPIER, ROBERT TWENTYMAN       | 75 Bothwell Street, Glasgow.           |
| †   | { 1847 Mar. 2.)                      | NEATE, CHARLES .. .. .         | { 14 Victoria Street, S.W. (Trigonon,  |
|     | 1859 Mar. 8.)                        |                                | London.)                               |
|     | 1870 Apr. 5.)                        | NEUBIGGING, THOMAS .. ..       | 5 Norfolk Street, Manchester.          |
|     | 1878 Apr. 30.)                       |                                |  |
|     | 1882 Dec. 5.)                        | { NEWCOMBE, ALFRED CORNE-      | Highfield, Muswell Hill Road, N.       |
|     | 1896 Jan. 28.)                       | LIUS .. .. .                   |  |
|     | 1879 May 6.)                         | { NEWWEY, JOSEPH .. .. .       | { Chief Inspector of Public Works,     |
|     | 1891 Nov. 9.)                        |                                | Cape Town, C.C.                        |
|     | 1894 Apr. 3.                         | NEWTON, CHARLES EDWARD ..      | 17 Cooper Street, Manchester.          |
|     | 1885 Dec. 1.)                        | *NEWTON, WILLIAM GYLICH ..     | P.W.D., Rangoon, Burma.                |
|     | 1897 Nov. 30.)                       |                                |  |
|     | 1873 Mar. 4.)                        | NICHOLAS, CHARLES EDWARD ..    | Ry. Dept., Sydney, N.S.W.              |
|     | 1880 Mar. 2.)                        |                                | { 42 Gates Avenue, Brooklyn, N.Y.,     |
| t   | † { 1892 Feb. 2.                     | NICHOLS, OTHNIEL FOSTER ..     | U.S.                                   |
|     | 1875 Dec. 7.)                        | { NICOLLS, THOMAS JOHN FRANCIS | { 14 Bridge Street, Glasgow.           |
|     | 1879 Mar. 25.)                       | B.A. (Dubl.) .. .. .           |  |
|     | 1882 Mar. 7.                         | { NIGHTINGALE, WALTER HAW-     | Shillong, Assam.                       |
|     |                                      | KINS .. .. .                   |  |
|     | 1889 Dec. 3.                         | NIVEN, THOMAS OGILVIE ..       | 131 West Regent Street, Glasgow.       |
| L   | 1881 Dec. 6.                         | { NOBLE, Sir ANDREW, Captain   | Elswick Works, Newcastle-on-Tyne.      |
|     |                                      | R.A. ret., K.C.B., F.R.S.      | (Elswick, Newcastle. 8.)               |
|     |                                      | (Member of Council.)           |  |
|     | 1898 Mar. 1.                         | { NOBLE, SAXTON WILLIAM        | The Grove, Jesmond-on-Tyne.            |
|     |                                      | ARMSTRONG .. .. .              |  |
|     | 1886 Dec. 7.)                        | NORMAN, CHARLES ERNEST ..      | Ry. Dept., Melbourne, Victoria.        |
|     | 1888 Oct. 30.)                       |                                |  |
|     | 1883 Dec. 4.)                        | NORMAN, MATTHEW JAMES          | Grindlay & Co., 55 Parliament          |
|     | 1890 Nov. 25.)                       | JOSEPH PATRICK .. .. .         | Street,                                |
|     | 1877 Feb. 6.)                        | NYSTRÖMER, CARL AUGUST         | Avenida Alvear 324, Buenos Aires.      |
|     | 1883 May 29.)                        | BERNHARD .. .. .               |  |

1877 May 1.) OAK, WILLIAM PERCIVAL .. 20 Upper Westbourne Terrace, W.  
 1892 Feb. 23.)  
 1869 Jan. 9.) O'CALLAGHAN, FRANCIS LANG-  
 1872 Apr. 23.) FORD, C.S.I., C.I.E. .. ..

| Date of Election<br>and of Transfer. |   | MEMBERS.                               |                                      |
|--------------------------------------|---|--|--------------------------------------|
| 1876. Apr. 4.                        | { | O'CONNELL, JOHN .. ..                  | Sion Villa, Kilkenny.                |
| 1889 Jan. 15.                        |   |  |                                      |
| 1880 Apr. 6.                         | { | O'CONNOR, CHARLES YELVERTON, .. ..     | Perth, Western Australia.            |
|                                      |   | C.M.G. .. ..                           |                                      |
| 1879 Apr. 1.                         | { | ODLING, CHARLES WILLIAM, .. ..         | N.W.P. and Oudh Secretariat,         |
|                                      |   | C.S.I., M.E. ( <i>Queen's</i> ) .. ..  | Allahabad, India.                    |
| 1875 Feb. 2.                         | { | OLANDER, EDMUND .. ..                  | G.W.Ry., Engineer's Office, Pad-     |
| 1896 Dec. 15.                        |   |  | dington, W.                          |
| 1889 Feb. 5.                         | { | OLDHAM, ABEL JOHN .. ..                |                                      |
| 1871 Dec. 5.                         |   |  |                                      |
| 1878 Feb. 19.                        | { | OLDHAM, ROBERT AUGUSTUS ..             | Tilthams, Godalming.                 |
|                                      |   |  |                                      |
| † { 1879 Feb. 4.                     | { | OLIVE, WILLIAM THOMAS ..               | 4 & 5 National Bank Chambers, St.    |
| 1891 Nov. 17.                        |   |  | George's St., Cape Town, C.C.        |
| 1889 Mar. 5.                         | { | OLIVER, CALDER EDKINS, M.C.E. ..       | Board of Works, Melbourne, Vic-      |
| 1897 Nov. 30.                        |   | ( <i>Melb.</i> ) .. ..                 | toria.                               |
| 1882 Dec. 5.                         | { | OLIVER, EDWARD EMMERSON ..             | 229 Cromwell Road, S.W.              |
| 1878 Jan. 15.                        |   |  |                                      |
| 1890 Nov. 25.                        | { | OLIVER, HENRY .. ..                    | Royston, Alleyn Road, Dulwich, S.E.  |
| 1897 Dec. 7.                         |   |  |                                      |
| 1882 May 23.                         | { | ORAM, HENRY JOHN .. ..                 | Admiralty, S.W.                      |
| 1890 Apr. 15.                        |   | *ORANGE, FRANCIS .. ..                 | 11 Gray's Inn Square, W.C.           |
| † { 1882 May 23.                     | { | *ORANGE, JAMES .. ..                   | Danby, Leigh & Orange, Hong Kong.    |
| 1890 Apr. 15.                        |   |  |                                      |
| m 1896 Mar. 3.                       | { | *ORCHARD, WILLIAM PATTERSON, ..        | County Surveyor, Ballina, co. Mayo.  |
|                                      |   | B.E. ( <i>Queen's</i> ) .. ..          |                                      |
| 1873 May 20.                         | { | ORMISTON, GEORGE EDWARD ..             | 9 Melbury Road, Kensington, W.       |
| 1879 Nov. 4.                         |   |  |                                      |
| 1879 Feb. 4.                         | { | ORMSBY, ROBERT DALY .. ..              | Director of Public Works, Hong Kong. |
| 1882 Jan. 10.                        |   |  |                                      |
| 1885 Feb. 10.                        | { | OSBORNE, JAMES .. ..                   | 5 Clifton Gardens, Truro.            |
| 1865 Apr. 4.                         |   | OSBURN, HENRY .. ..                    | 24 Cedars Road, Clapham, S.W.        |
| 1894 Dec. 4.                         | { | O'SHAUGHNESSY, JAMES EDWARD ..         | Bangalore, India.                    |
|                                      |   |  |                                      |
| 1883 Feb. 6.                         | { | OTWAY, JAMES, B.A. ( <i>Dubl.</i> ) .. | Waterford, Dungarvan & Limerick      |
|                                      |   |  | Ry., Waterford.                      |
| 1867 Feb. 5.                         | { | OWEN, GEORGE .. ..                     | Cambrian Railways, Oswestry.         |
| 1874 Jan. 13.                        |   |  |                                      |
| 1882 Mar. 28.                        | { | OWEN, WILLIAM LANCASTER ..             | 26 Cornwall Gardens, S.W.            |
|                                      |   |  |                                      |
| 1877 May 29.                         | { | PACKMAN, JONATHAN .. ..                | Haling House, Waddon Road, Croy-     |
| 1881 May 24.                         |   |  | don.                                 |
| † { 1861 Dec. 3.                     | { | PADDON, JOHN BIRCH .. ..               | Drymma, Neath, Glamorgan.            |
| 1871 Nov. 21.                        |   |  |                                      |
| m { 1875 Feb. 2.                     | { | *PAGE, GEORGE EDWARD .. ..             | 32 Bark Place, Bayswater Hill, W.    |
| 1891 May 12.                         |   |  |                                      |
| † { 1870 Feb. 1.                     | { | PAIN, ARTHUR CADLICK .. ..             | 17 Victoria Street, S.W.             |
| 1877 May 8.                          |   |  |                                      |
| 1884 Dec. 2.                         | { | PALLISER, HARRY GEORGE ..              | 6 Mount Park Road, Ealing, W.        |
| 1887 Apr. 5.                         |   | PALMER, CHARLES GEORGE, C.I.E. ..      | P.W.D., Irrigation Dept., Agra.      |
| 1870 Dec. 6.                         | { | PALMER, GEORGE .. ..                   | Becketts, Hartley-Wintney, Hants.    |
| 1879 Nov. 11.                        |   |  |                                      |
| 1884 May 6.                          | { | PALMER, PHILIP HENRY .. ..             | Boro' Engineer, Hastings.            |
| 1897 Nov. 30.                        |   |  |                                      |
| 1884 Feb. 5.                         | { | PARKER, CHARLES DONALD ..              | Dock Works, Leith, N.B.              |
| 1896 May 19.                         |   | NAPIER .. ..                           |                                      |
| 1886 Mar. 2.                         | { | PARKER, JOHN DUNLOP .. ..              | 146 West Regent Street, Glasgow.     |
| 1889 Jan. 8.                         |   | PARKER, THOMAS .. ..                   | Gorton House, Gorton, Manchester.    |
| St † { 1889 Dec. 3.                  | { | PARKER, THOMAS .. ..                   | Manor House, Tettenhall, Wolver-     |
|                                      |   |  | hampton.                             |
| 1883 May 29.                         | { | PARKER, WILLIAM .. ..                  | 108 Fenchurch Street, E.C.           |
|                                      |   |  |                                      |



| Date of Election<br>and of Transfer. |        | MEMBERS.                              |                                       |
|--------------------------------------|--------|---------------------------------------|---------------------------------------|
| 1882 Mar. 7.                         | †      | PARKES, BENJAMIN,                     | {H. S. King & Co., 45 Pall Mall,      |
| 1891 May 12.                         |        | M.E. ( <i>Queen's</i> ), F.C.H. ..    | {S.W.                                 |
| 1880 Dec. 7.                         | †      | *PARKES, CHARLES REGINALD ..          | {East Ferry Rd. Engineering Works,    |
| 1891 Nov. 3.                         |        |                                       | {Millwall, E.                         |
| 1875 May 4.                          | †      | PARRY, EDWARD .. .. .                 | 28 Park Row, Nottingham.              |
| 1879 Mar. 4.                         |        |                                       |                                       |
| 1875 Mar. 2.                         | †      | PARRY, JOSEPH .. .. .                 | Municipal Offices, Liverpool.         |
| 1887 Feb. 8.                         |        |                                       |                                       |
| 1887 Dec. 6.                         | †      | PARRY, WALTER .. .. .                 | Waterworks, Cawnpore, India.          |
| 1895 Oct. 22.                        |        |                                       |                                       |
| 1895 Mar. 5.                         | C †    | PARSHALL, HORACE FIELD ..             | 83 Cannon Street, E.C.                |
| 1896 Nov. 24.                        |        |                                       |                                       |
| 1881 May 31.                         | †      | *PARSONS, <i>Hon.</i> CHARLES AL-     | Holeyne Hall, Wylam-on-Tyne.          |
| 1892 Dec. 13.                        |        | GERNON, F.R.S. .. .. .                |                                       |
| 1876 May 30.                         | MT m † | *PARSONS, <i>Hon.</i> RICHARD         | 39 Victoria Street, S.W.              |
| 1883 May 8.                          |        | CLERE, M.A. ( <i>Dubl.</i> ) .. ..    |                                       |
| 1892 Dec. 6.                         | †      | PARSONS, WILLIAM BARCLAY ..           | 22 William Street, New York, U.S.     |
| 1874 Mar. 3.                         |        | PASKIN, JAMES ALKIN .. ..             | Town Hall, Halifax.                   |
| 1869 May 4.                          | †      | {PASSMORE, FRANK BAILEY ..            | {5 Laurence Pountney Hill, E.C.       |
| 1879 Feb. 4.                         |        |                                       | {(Knarf, London.)                     |
| 1867 May 21.                         | †      | PASSOS, FRANCISCO PEREIRA             | 34 Rua da Santa Luzia, Rio de         |
| 1876 Feb. 1.                         |        | PATERSON, MALCOLM McCUL-              | 35 Manor Row, Bradford. [Janeiro.     |
| 1885 May 5.                          | †      | LOCH .. .. .                          |                                       |
| 1874 Feb. 3.                         |        | PATERSON, MURDOCH .. ..               | Highland Railway, Inverness.          |
| 1852 Feb. 3.                         | †      | PATERSON, PETER .. .. .               | 248 Burger Street, Maritzburg, Natal. |
| 1871 Dec. 19.                        |        |                                       |                                       |
| 1881 Dec. 6.                         | †      | PATERSON, THOMAS ORMISTON             | {Gasworks, Birkenhead. (Paterson,     |
| 1893 Nov. 7.                         |        |                                       | {Birkenhead.)                         |
| 1895 Apr. 2.                         | †      | PATERSON, WILLIAM ALEX-               | Eng.'s Office, Caledonian Ry.,        |
| 1897 Dec. 7.                         |        | ANDER .. .. .                         | Edinburgh.                            |
| 1877 May 1.                          | †      | PATTERSON, ROBERT CHARLES             | Varuna, Hobart, Tasmania.             |
| 1883 May 1.                          |        |                                       |                                       |
| 1889 Jan. 15.                        | †      | *PAWLEY, RICHARD .. .. .              | Alexandra Dock, Hull.                 |
| 1875 May 4.                          |        |                                       |                                       |
| 1896 Dec. 15.                        | †      | PAXMAN, JAMES NOAH .. ..              | {Standard Ironworks, Colchester.      |
| 1875 Feb. 2.                         |        | PAYNTER, LINDLEY WILLIAM ..           | {(Paxman, Colchester.)                |
| 1887 Apr. 5.                         | †      | PEACE, GEORGE HENRY .. ..             | 3 Marlborough Terrace, Worthing.      |
| 1889 Dec. 17.                        |        |                                       | {Monton Grange, Eccles, Manches-      |
| 1884 Mar. 4.                         | †      | PEACOCK, RALPH .. .. .                | ter                                   |
| 1861 Apr. 9.                         |        | PEARCE, JOHN CHARLES .. ..            | Gorton, Manchester. (Loco, Gorton.    |
| 1871 Apr. 4.                         | †      | *PEARSALL, HOWARD DEVENISH            | Boston Spa, Yorkshire. [255.)         |
| 1897 Feb. 2.                         |        |                                       |                                       |
| 1897 Apr. 6.                         | †      | PEARSON, FRED STARK .. ..             | 21 Parliament Hill, Hampstead, N.W.   |
| 1874 Apr. 14.                        |        | PEARSON, HENRY WILLIAM ..             | Metropolitan Traction Co., New York,  |
| 1886 Nov. 23.                        | †      | PEARSON, THOMAS WILLIAM ..            | Waterworks Office, Bristol. [U.S.     |
| 1884 Dec. 2.                         |        | PEARSON, WILLIAM GREY ..              | G.I.P. Ry., Bombay.                   |
| 1882 Feb. 7.                         | †      |                                       | 97 Cannon Street, E.C.                |
| 1871 Mar. 7.                         |        | PENDLEBURY, JOHN .. ..                | {Newfoundland Ry., 43 Threadneedle    |
| 1874 Feb. 3.                         | †      |                                       | {Street, E.C.                         |
| 1880 Jan. 27.                        |        | PENN, JOHN, M.P. .. .. .              | Greenwich, S.E.                       |
| 1885 Feb. 3.                         | t †    | *PENNY, EDMUND .. .. .                | King, King & Co., Bombay.             |
| 1891 Jan. 13.                        |        |                                       |                                       |
| 1892 Dec. 6.                         | †      | PENNY, LOUIS .. .. .                  | Gasworks, Bombay.                     |
| 1888 Dec. 4.                         |        | PENTLAND, AUGUSTUS TICH-              |                                       |
| 1893 Nov. 7.                         | †      | BORNE, M.A. ( <i>Dubl.</i> )          | 54 Wellington Road, Dublin.           |
| 1874 Jan. 13.                        |        |                                       |                                       |
| 1885 Feb. 24.                        | †      | *PERRAM, GEORGE JAMES ..              | {c/o H. S. King & Co., 45 Pall Mall,  |
| 1895 Dec. 3.                         |        | PERRIN, CHARLES .. .. .               | {S.W.                                 |
| 1886 Dec. 7.                         | †      | PERRY, CHARLES EDWARD                 | H. S. King & Co., 45 Pall Mall, S.W.  |
| 1892 Dec. 6.                         |        | PERRY, JAMES, M.E. ( <i>Queen's</i> ) | Victoria, British Columbia.           |
| 1888 Apr. 10.                        | †      | PETERS, CHARLES JASPER ..             | County Surveyor, Galway.              |
| 1874 Dec. 1.                         |        | PETERSON, PETER ALEXANDER             | 3 Manor Court Road, Hanwell, W.       |
|                                      |        |                                       | Canadian Pacific Ry., Montreal.       |

| Date of Election<br>and of Transfer. |   | MEMBERS.   |   |
|--------------------------------------|---|--|---|
| S t *                                | {1884 Feb. 5.                                     | *PETTIGREW, WILLIAM FRANK ..                                     | {Friars Dene, Abbey Road, Barrow-<br>in-Furness.    |
|                                      | {1894 Jan. 16.                                    |  |   |
|                                      | 1890 Apr. 1.                                      | PEW, ARTHUR .. .. .  | Macon, Ga., U.S.                                    |
|                                      | 1890 Mar. 4.                                      | {PHELAN, ALFRED BERNARD,<br>B.A. (Dubl.) .. .. .}                | P.W.D., Amritsar, Punjab.                           |
|                                      |   |  |   |
|                                      | 1873 Feb. 4.                                      | PHILLIPS, ARTHUR FREDERICK                                       | {38 Parliament Street, S.W. (Um-<br>berto, London.) |
|                                      | 1883 Apr. 24.                                     |  |   |
|                                      | 1892 Dec. 6.                                      | PHIPPS, CHRISTOPHER EDWARD                                       | Madras Ry., Perambore, Madras.                      |
|                                      | ✱ 1865 May 23.                                    | PILKINGTON, WOODFORD ..  | Rouse & Co., 130 Fenchurch St., E.C.                |
|                                      | 1874 May 5.                                       | PIMENTEL, JOAQUIM GALDINO  | Rua do Rezende 24, Rio de Janeiro                   |
| 1884 Dec. 2.                         |   |  |   |
| 1892 Dec. 6.                         | PIRRIE, Rt. Hon. WILLIAM JAMES                    | Queen's Island, Belfast.   |   |
| ✱ {1877 Dec. 4.                      | PITT, WALTER .. .. .                              | Newark Foundry, Bath.  |   |
|                                      |   |  | {1885 Dec. 8.                                       |
| 1888 May 15.                         | PLATT, JOHN .. .. .                               | Salford Ironworks, Manchester.                                   |   |
| 1882 Mar. 7.                         | *PLATT, SAMUEL SYDNEY ..                          | Borough Engineer, Rochdale. (165.)                               |   |
| 1897 Mar. 2.                         |   |  |   |
| 1884 Dec. 2.                         | PLATTS, JOHN JOSEPH .. ..                         | Waterworks, Odessa, Russia.                                      |   |
| 1891 Dec. 1.                         | POGSON, ALFRED LEE .. ..                          | Harbour Works, Madras.   |   |
| 1895 Jan. 22.                        |   |  |   |
| 1879 Mar. 6.                         | *POLLARD, JOHN .. .. .                            | {31 Old Queen Street, Westminster,<br>S.W. (Piezometer, London.) |   |
| 1895 Feb. 12.                        |   |  |   |
| 1885 Feb. 3.                         | *POLLARD-URQUHART, MONTAGU                        | 21 York Place, Edinburgh. (Meik,<br>Edinburgh.)                  |   |
| 1894 Feb. 20.                        |   |  |   |
| 1865 May 23.                         | ALEXIS .. .. .                                    |  |   |
| 1889 Apr. 30.                        | PONTIFEX, EDMUND ALFRED ..                        | 72 Cornwall Gardens, S.W.  |   |
| ✱ 1877 Dec. 4.                       | POTTER, WILLIAM FURNISS ..                        | 16 Park Row, Leeds.  |   |
| 1878 May 28.                         | POTTINGER, JOHN CURWEN ..                         | P.W.D., Poona, Bombay.   |   |
| 1894 Oct. 16.                        |   |  |   |
| ✱ 1878 Feb. 5.                       | *POWNALL, CHARLES ASSHETON                        | 53 Victoria Street, S.W. (Testudo,<br>London. Westminster 63.)   |   |
|                                      |   |  |   |
| t L ✱ {1859 May 24.                  | {PREECE, WILLIAM HENRY,<br>C.B., F.R.S. ... .. .} | Gothic Lodge, Wimbledon, S.W<br>(Bank 350.)                      |   |
|                                      |   |  | {1871 Dec. 5.                                       |
|                                      | (President.)                                      |  |   |
| m {1879 May 27.                      | *PRESTON, ALFRED ELEY ..                          | 34 Essex Street, Strand, W.C.                                    |   |
| 1889 May 21.                         |   |  |   |
| ✱ {1891 Mar. 3.                      | PRESTON, FRANCIS JOHN .. ..                       | 34 Jermyn Street, S.W.   |   |
| 1893 Jan. 25.                        |   |  |   |
| 1885 Feb. 3.                         | PRICE, ALFRED DICKINSON,                          | 44 Harcourt Street, Dublin.                                      |   |
| 1893 Dec. 12.                        |   |  |   |
| t ✱ 1888 Dec. 4.                     | PRICE, JAMES, M.A.I. (Dubl.)                      | Harbour Office, Lapp's Quay, Cork.                               |   |
|                                      | 1882 Dec. 5.                                      | PRICE, JOHN .. .. .  | {6 Osborne Villas, Jesmond-on-<br>Tyne.             |
|                                      |   |  |   |
| 1879 Dec. 2.                         | *PRICE, JOHN .. .. .                              | City Surveyor, Birmingham.                                       |   |
| 1897 Dec. 7.                         |   |  |   |
| ✱ 1865 Dec. 5.                       | PRICE, WILLIAM HENRY ..                           | Hesperus, Clarence Road, Southsea.                               |   |
| T t W ✱ {1861 Apr. 9.                | PRICE-WILLIAMS, RICHARD ..                        | {32 Victoria Street, S.W. (Spandrel,<br>London.)                 |   |
|                                      |   |  |   |
| 1886 Feb. 2.                         | *PRIEST, FRANK EDWARD ..                          | {13 Harrington Street, Liverpool<br>(6889.)                      |   |
| 1896 Dec. 15.                        |   |  |   |
| 1863 Mar. 3.                         | PRINCE, HENRY .. .. .                             | 11 Clanricarde Gardens, W.                                       |   |
| 1873 Dec. 6.                         |   |  |   |
| 1883 May 29.                         | PRINDLE, FRANKLIN COGSWELL                        | {U.S. Navy Yard, Brooklyn, N.Y.,<br>U.S.                         |   |
| 1884 May 6.                          | PRITCHARD, EDWARD .. ..                           | 1 Victoria Street, S.W.  |   |
| 1877 May 29.                         | PROCTOR, JONAS .. .. .                            | Mere Lawn, Bolton.   |   |
| 1868 May 5.                          | PROCTOR-SIMS, RICHARD .. ..                       | Bhavnagar, Kathiawar, India.                                     |   |
| 1876 May 9.                          |   |  |   |
| 1886 Jan. 12.                        | PRYCE, HENRY JAMES .. ..                          | {54 Filey Avenue, Stoke Newington,<br>N.                         |   |
| 1898 Apr. 5.                         |   |  |   |
| 1883 Jan. 9.                         | *PURDON, HENRY ATWELL ..                          | 23 Hanger Lane, Ealing, W.                                       |   |
| 1890 May 20.                         |   |  |   |
| ✱ 1860 Feb. 7.                       | PURSER, EDWARD .. .. .                            | Ottoman Railway, Smyrna.   |   |

| Date of Election<br>and of Transfer. |                 | MEMBERS.   |  |
|--------------------------------------|-----------------|--|--|
|                                      | 1873 Feb. 4.    | QUELCH, ROBERT JAMES ..  | 66 Bromfelde Road, Clapham, S.W.                                       |
|                                      | 1879 Jan. 7.    |  |  |
|                                      | 1870 Dec. 6.    | QUICK, JOSEPH .. .. .  | Grove Side, Teddington.  |
|                                      | 1875 Dec. 7.    | QUIGLY, RICHARD, M.A. ( <i>Dubl.</i> )                             | Heilbron, Orange Free State.   |
|                                      | 1882 Mar. 28.   |  |  |
| †                                    | { 1870 Feb. 1.  | QUINETTE DE ROCHEMONT,   | } Rue de Marignan 18, Paris.   |
|                                      | 1883 May 22.    | Baron EMILE THEODORE ..  |  |
|                                      | 1863 Mar. 3.    | RADFORD, GEORGE KENT ..  | 2312 Warring St., Berkeley, Cal., U.S.                                 |
| t †                                  | 1876 Apr. 4.    | RAMSAY, JAMES .. .. .  | Reform Club, Pall Mall, S.W.   |
|                                      | 1881 Apr. 5.    | RAMSDEN, JOHN .. .. .  | 1 Ruskin Road, Crewe.  |
|                                      | 1864 Mar. 1.    | RANSOME, ALLEN .. .. .   | { Stanley Works, Chelsea, S.W. (Ken-<br>sington 578.)                  |
|                                      | 1877 May 29.    |  |  |
| m †                                  | { 1888 May 15.  | *RANSOME, LEWIS HENRY ..   | 27 Gilston Road, The Boltons, S.W.                                     |
|                                      | 1897 Nov. 30.   |  |  |
|                                      | 1895 Jan. 8.    | RAWORTH, JOHN SMITH ..   | { 46 Christchurch Road, Streatham<br>Hill, S.W.                        |
|                                      | 1834 Apr. 1.    | RAWSON, THOMAS HAROLD ..   | Harbour Board, Westport, N.Z.  |
|                                      | 1897 Mar. 29.   |  |  |
|                                      | 1891 Feb. 3.    | REA, SAMUEL .. .. .  | { Pennsylvania Rlrd., Broad Street<br>Station, Philadelphia, Pa., U.S. |
|                                      | 1887 May 24.    | REAY, THOMAS PURVIS ..   | Airedale Foundry, Leeds.   |
| T t †                                | { 1839 Feb. 26. | REDMAN, JOHN BALDRY ..   | 493 New Cross Road, S.E.   |
|                                      | 1846 Mar. 3.    |  |  |
|                                      | 1873 Dec. 2.    | REE, HENRY STRUTT COLLETTE   | { New Dock Works, Cardiff Ry.<br>Cardiff.                              |
|                                      | 1885 Dec. 1.    |  |  |
| L                                    | 1870 Mar. 1.    | { REED, Sir EDWARD JAMES,  | Broadway Chambers, Westminster,  |
|                                      |                 | K.C.B., F.R.S. .. .. .   | S.W. [Carnage, London]   |
|                                      | 1885 Dec. 1.    | REES, ITHEL TREHARNE ..  | { Guildhall Chambers, Cardiff.<br>(Mining, Cardiff.)                   |
|                                      | 1879 Feb. 4.    | REES, TOGARMAH .. .. .   | { Corn Exchange Chambers, Newport,<br>Mon.                             |
|                                      | 1886 May 11.    |  |  |
|                                      | 1876 Jan. 11.   | REICHENBACH, OSCAR ..  | 10 Medina Villas, Hove.  |
|                                      | 1880 Apr. 13.   | REID, GEORGE LOWE ..   | 33 Montpellier Crescent, Brighton.                                     |
|                                      | 1868 Apr. 7.    | REID, HENRY DAVID ALEXAN-  | } Arica & Tacna Ry., Tacna, Chili.                                     |
|                                      | 1881 Dec. 6.    | DER .. .. .  |  |
|                                      | 1893 Mar. 21.   |  |  |
|                                      | 1897 Jan. 12.   | REID, HUGH .. .. .   | { Neilson, Reid & Co., Hyde Park<br>Locomotive Works, Glasgow.         |
|                                      | 1886 Mar. 2.    | *REID, KENNETH .. .. .   | { Costa Rica Railway, Limon, Costa<br>Rica.                            |
|                                      | 1895 Oct. 22.   |  |  |
| T t †                                | { 1864 Dec. 6.  | REILLY, Professor CALLCOTT ..                                      | Englefield Green, Staines.   |
|                                      | 1870 May 10.    |  |  |
|                                      | 1862 May 6.     | { RENDEL, Sir ALEXANDER  | } 8 Great George Street, S.W. (Suk-<br>kur, London. Westminster 52.)   |
|                                      |                 | MEADOWS, K.C.I.E.,   |  |
|                                      |                 | M.A. ( <i>Cantab.</i> ) .. .. .                                    |  |
| W t †                                | 1863 Apr. 14.   | RENDEL, GEORGE WIGHTWICK   | Villa Maraval, Posilipo, Naples.                                       |
|                                      | 1888 Dec. 4.    | RENDELL, ALAN WOOD ..  | E. I. Ry., Jamalpur, India.  |
| t †                                  | { 1857 Mar. 3.  | RENNIE, GEORGE BANKS ..  | 20 Lowndes Street, S.W.  |
|                                      | 1860 Mar. 6.    |  |  |
| †                                    | 1886 May 18.    | RESTLER, JAMES WILLIAM ..  | { Southwark & Vauxhall Water Co.,<br>Southwark Bridge Road, S.E.       |
|                                      | 1858 Apr. 13.   | RETORTILLO, ANGEL ..   | Madrid.  |
|                                      | 1879 May 6.     | *REYNOLDS, GEORGE BERNARD  | Grindlay & Co., Parliament St., S.W.                                   |
|                                      | 1892 Nov. 22.   |  |  |
| t L †                                | 1883 Dec. 4.    | { REYNOLDS, Professor OSBORNE,                                     | } Fallowfield, Manchester.   |
|                                      |                 | M.A. ( <i>Cantab.</i> ), LL.D.<br>( <i>Glas.</i> ), F.R.S. .. .. . |  |
|                                      | 1875 Dec. 7.    | REYNOLDS, PLAYFORD ..  | P.W.D., Bombay.  |
|                                      | 1883 Nov. 6.    |  |  |
|                                      | 1868 Apr. 7.    | REYNOLDS, ROBERT ..  | Grindlay & Co., Parliament St., S.W.                                   |
|                                      | 1878 Dec. 3.    |  |  |

| Date of Election<br>and of Transfer. |                                 | MEMBERS.   |   |
|--------------------------------------|---------------------------------|--|---|
| t ✕                                  | {1873 May 20.<br>1876 Nov. 28.} | RHIND, ROBERT HUNTER ..                                      | {40 Eglantine Avenue, Lisburn Road,<br>Belfast.                     |
|                                      | 1890 May 6.                     | RHODES, CHARLES EDWARD ..                                    | Aldwarke Main Colliery, Rotherham.                                  |
|                                      | 1897 Dec. 7.                    | RICE, EDWIN WILBUR, JUN. . .                                 | Schenectady, New York, U.S.   |
|                                      | 1871 May 2.                     | RICE, JAMES .. .. .  | Trichinopoly, Madras.   |
|                                      | 1883 Nov. 20.                   |  |   |
|                                      | 1878 May 7.                     |  |   |
|                                      | 1889 Nov. 15.                   | RICHARD, HENRY JOSEPH ..                                     | P.W. Secretariat, Rangoon, Burma.                                   |
|                                      | 1881 Apr. 5.                    | RICHARDS, EDWARD WINDSOR                                     | Low Moor Ironworks, Bradford.                                       |
|                                      | 1887 Jan. 11.                   | RICHARDS, THOMAS .. ..                                       | {Nundydroog Co., Oorgaum, Mysore,<br>India.                         |
|                                      | 1865 Feb. 7.}                   | RICHARDSON, JOHN .. ..                                       | Methley Park, Leeds.  |
|                                      | 1879 Feb. 4.}                   |  |   |
| C ✕                                  | 1894 Apr. 3.                    | RICHARDSON, JOHN .. ..                                       | Globe Works, Lincoln.   |
|                                      | 1897 Dec. 7.                    | RICHARDSON, WILLIAM AUGUSTUS                                 | Borough Road, Birkenhead.   |
|                                      | 1872 Dec. 3.}                   | RICHARDSON, WILLIAM PELHAM                                   | {Broadlands House, Brockenhurst,<br>Hants.                          |
|                                      | 1887 Oct. 25.}                  |  |   |
|                                      | 1879 Mar. 4.}                   | RICHES, TOM HURRY .. ..                                      | Taff Vale Railway, Cardiff.   |
|                                      | 1882 Jan. 10.}                  |  |   |
|                                      | 1868 Apr. 7.                    | RICHMOND, DAVID, B.A. ( <i>Dubl.</i> )                       | {Victoria Place, Warrenpoint, co.<br>Down.                          |
|                                      | 1876 May 2.}                    | RICHMOND, JAMES .. ..  | P.W.D., Kingston, Jamaica.  |
|                                      | 1891 Nov. 3.}                   |  |   |
|                                      | {1865 May 23.<br>1874 Nov. 24.} | RIDINGS, HENRY SADLEIR, }<br>M.E. ( <i>Queen's</i> ) .. .. . | {31 Carson Road, West Dulwich,<br>S.E.                              |
| t ✕                                  | {1866 Dec. 4.<br>1874 Nov. 17.} | RIDLEY, WILLIAM .. ..  | 39 Victoria Street, S.W.  |
|                                      | 1876 Feb. 1.}                   | RIGBY, JASON, B.A. ( <i>Dubl.</i> ) ..                       | {Rosario Ry., Avenida de Mayo 748,<br>Buenos Aires.                 |
|                                      | 1883 Mar. 13.}                  |  |   |
|                                      | 1872 May 14.}                   | RIGG, HENRY .. .. .  | {c/o Messrs. Alexander Fletcher &<br>Co., 2 St. Helen's Place, E.C. |
|                                      | 1882 Nov. 7.}                   |  |   |
|                                      | 1897 Dec. 7.                    | RILEY, WILLIAM EDWARD ..                                     | Admiralty, 21 Craven Street, W.C.                                   |
|                                      | 1889 Dec. 3.                    | RINECKER, FRANCIS .. ..                                      | Würzburg, Germany.  |
| t ✕                                  | 1893 Dec. 5.                    | RIPPER, <i>Professor</i> WILLIAM ..                          | University College, Sheffield.                                      |
|                                      | 1854 Mar. 7.                    | ROBERTS, SAMUEL USSHER, C.B.                                 | 6 Clyde Road, Dublin.   |
|                                      | 1887 Mar. 1.}                   | ROBERTS, THOMAS .. ..  | Govt. Rys., Adelaide, S. Australia.                                 |
|                                      | 1896 Nov. 16.}                  |  |   |
|                                      | 1870 May 3.}                    | ROBERTS, WILLIAM .. ..                                       | 13 Craven Hill Gardens, W.  |
|                                      | 1879 Mar. 25.}                  |  |   |
|                                      | 1893 Feb. 7.}                   | ROBERTS, WILLIAM .. ..                                       | Highland Ry., Inverness.  |
|                                      | 1898 Feb. 1.}                   |  |   |
| t ✕                                  | {1874 Dec. 1.<br>1890 Feb. 25.} | ROBERTSON, FREDERICK EWART, }<br>C.I.E. .. .. .              | {8 Great George Street, S.W. (Suk-<br>kur, London. Westminster 52.) |
|                                      | 1887 Feb. 1.}                   | ROBERTSON, JAMES ROBERT ..                                   | L. T. & S. Ry., Hornchurch, Essex.                                  |
|                                      | 1893 Apr. 18.}                  |  |   |
|                                      | {1886 May 4.<br>1894 Dec. 11.}  | *ROBERTSON, ROBERT, }<br>B.Sc. ( <i>Edin.</i> ) .. .. .      | {154 West George Street, Glasgow.                                   |
|                                      | 1869 Mar. 2.}                   | ROBERTSON, ROBERT ANDREW                                     | 8 Park Circus Place, Glasgow.                                       |
|                                      | 1878 May 14.}                   |  |   |
|                                      | 1893 Dec. 5.                    | ROBINOW, FRANK .. ..   | c/o F. Voelklein, 26 Park Lane, W.                                  |
|                                      | 1867 Feb. 5.                    | ROBINS, CHARLES .. ..  | 32 St. Julian's Road, Kilburn, N.W.                                 |
|                                      | 1872 May 7.}                    | *ROBINSON, CHARLES EDWARD                                    | Richmond Lodge, Torquay.  |
|                                      | 1885 Dec. 15.}                  |  |   |
|                                      | 1875 Apr. 6.}                   | ROBINSON, FRANK EDWARD ..                                    | 13 Victoria Street, S.W.  |
|                                      | 1895 Jan. 8.}                   |  |   |
| t ✕                                  | {1864 Feb. 2.<br>1868 Feb. 18.} | ROBINSON, <i>Professor</i> HENRY ..                          | 13 Victoria Street, S.W.  |
| T t ✕                                | {1866 Mar. 6.<br>1872 Apr. 30.} | ROBINSON, JOHN .. ..   | {Engineer's Office, New Dock Works,<br>N. E. Ry., Middlesbrough.    |
|                                      | 1872 Apr. 9.                    | ROBINSON, JOHN .. ..   | Westwood Hall, Leek.  |
|                                      | 1896 Jan. 14.                   | ROBINSON, JOHN FREDERICK ..                                  | Atlas Works, Glasgow.   |
|                                      | 1893 May 2.                     | ROBINSON, MARK HEATON ..                                     | Overslade, Rugby.   |
|                                      | 1861 May 28.}                   | ROBINSON, MURRELL ROBINSON                                   | 95 Philbeach Gardens, S.W.  |
|                                      | 1870 May 24.}                   |  |   |



| Date of Election<br>and of Transfer. | MEMBERS.   |  |
|--------------------------------------|--|--|
| 1876 Dec. 5.                         | ROBINSON, ROBERT .. ..                                   | Darlington.  |
| 1870 Dec. 6.                         | ROBINSON, WILLIAM ROBERT                                 | 4 High Street, Highgate, N.  |
| 1885 May 19.                         | *ROBSON, OLIVER CLAUDE ..                                | { Public Offices, Dyne Road, Kilburn,<br>N.W.                          |
| 1895 May 14.                         |  |  |
| 1875 May 11.                         | ROCHE, GEORGE BYLAND ..                                  | L. C. & D. Ry., Victoria Station, S.W.                                 |
| 1878 May 7.                          | ROFE, HENRY .. ..  | { 8 Victoria Street, S.W. (Filliter<br>[S.W. (Rofe, London.)           |
| ✠ 1878 May 7.                        | ROFF, GEORGE LENTON .. ..                                | 69 Warwick Road, Earl's Court,   |
| 1880 Dec. 7.                         | ROSE, WILMOT JAMES .. ..                                 | Govt. Rys., Cradock, Cape Colony.                                      |
| 1880 May 25.                         | ROSS, ALEXANDER .. ..                                    | G. N. Ry., King's Cross, N.  |
| 1882 Dec. 5.                         | ROSS, DAVID JAMES .. ..                                  | Engineer's Office, Guildhall, E.C.                                     |
| 1895 Jan. 15.                        |  |  |
| 1886 Jan. 12.                        | ROTHERAM, THOMAS FORTH ..                                | Loco. Supt., Rys., Wellington, N.Z.                                    |
| 1860 Apr. 3.                         | ROUSE, HENRY JAMES .. ..                                 | 13 Sussex Place, Regent's Park, N.W.                                   |
| 1894 Jan. 9.                         | ROUTH, REGINALD SAMUEL JOHN                              | Assam-Bengal Ry., Gouhati, Assam.                                      |
| 1895 Feb. 5.                         | ROUTLEDGE, WILLIAM HENRY                                 | Bedwellty House, Tredegar, Mon.  |
| 1855 Dec. 4.                         | ROWE, RICHARD REYNOLDS ..                                | { Park House, Cambridge. (Rowe,<br>Parkside, Cambridge.)               |
| 1859 Mar. 29.                        |  |  |
| ✠ ✠ 1888 Dec. 4.                     | ROWLANDSON, CHARLES ARTHUR                               | Great Central Ry., Manchester.   |
| 1884 Dec. 2.                         | ROWLEY, WALTER .. ..                                     | { 20 Park Row, Leeds. (Walter<br>Rowley, Leeds.)                       |
| 1883 Dec. 4.                         | { ROY, MADHUBCHUNDER,<br>B.A. (Calcutta) .. ..           | { 43/1 Bhowany Churn, Dutts Lane,<br>Calcutta.                         |
| 1854 May 2.                          | RUMBALL, THOMAS .. ..                                    | 1 Victoria Villas, Brondesbury, N.W.                                   |
| 1866 Apr. 10.                        |  |  |
| 1881 Dec. 6.                         | RUMSBY, ERNEST JAMES ..                                  | 31 Spring Gardens, S.W.  |
| 1896 Mar. 10.                        |  |  |
| 1875 Dec. 7.                         | RUNDALL, JAMES WILLIAM ..                                | 1 Park Hill, Ealing, W.  |
| 1881 Dec. 6.                         | RUSSELL, JOHN .. ..                                      | 15 Victoria Street, S.W.   |
| 1886 Apr. 6.                         | RUSSELL, MACNAMARA .. ..                                 | 3 Great Winchester Street, E.C.  |
| 1885 Feb. 3.                         | RUSSELL, NORMAN SCOTT ..                                 | 39 Coleman St., E.C.   |
| 1888 Feb. 7.                         | RUTTAN, HENRY NORLANDE ..                                | City Engineer, Winnipeg, Canada.                                       |
| 1884 May 6.                          | { RYAN, JOHN HENRY,<br>M.A. (Dubl.) .. ..                | { 22 Nassau Street, Dublin. (Mice,<br>Dublin.) [Victoria Street, S.W., |
| 1887 Dec. 6.                         | RYAN, ROBERT HENRY .. ..                                 | c/o Agent-General for N.S.W.,  |
|                                      |  |  |
| 1894 May 1.                          | SADLER, HENRY WILLIAM ..                                 | G.N. Ry., Eng.'s Office, King's Cross, N.                              |
| ✠ { 1877 Feb. 6.                     | ST. GEORGE, PERCIVAL WALTER                              | City Engineer, Montreal, Canada.                                       |
| ✠ { 1887 Feb. 1.                     |  |  |
| 1887 May 24.                         | SAISE, WALTER, D.Sc. (Lond.).                            | E. I. Ry., Giridih, Bengal.  |
| ✠ 1876 Feb. 1.                       | SALMOND, THOMAS ROSS ..                                  | Park House, Antrim Road, Belfast.                                      |
| 1878 Apr. 2.                         | SALTER, JOHN .. ..                                       | 33 Percy Street, Liverpool.  |
| 1879 Apr. 8.                         |  |  |
| 1888 Dec. 4.                         | SAMPSON, JOHN .. ..                                      | 41 Effra Road, Brixton, S.W.   |
| 1893 Mar. 28.                        |  |  |
| T t ✠ 1869 May 4.                    | { SAMUELSON, Right Hon. Sir }<br>BERNHARD, Bart., F.R.S. | 56 Prince's Gate, S.W.   |
| 1882 Dec. 5.                         | SAMUELSON, ERNEST .. ..                                  | Bodicote Grange, Banbury.  |
| 1893 Mar. 14.                        |  |  |
| 1862 Dec. 2.                         | SAMUELSON, MARTIN .. ..                                  | Hull.  |
| T t ✠ { 1866 Dec. 4.                 | SANDBERG, CHRISTER PETER ..                              | 9 Bridge Street, Westminster, S.W.                                     |
| 1894 Nov. 7.                         |  |  |
| 1888 Feb. 7.                         | *SANDEMAN, EDWARD .. ..                                  | Water Engineer, Plymouth.  |
| 1897 Jan. 12.                        |  |  |
| ✠ 1873 Feb. 4.                       | SANDEMAN, JOHN WATT ..                                   | { 2 St. Nicholas Buildings, Newcastle-<br>on-Tyne.                     |
| 1897 Feb. 2.                         | { SANDERS, RICHARD BARNSLEY,<br>B.E. (Royal) .. ..       | { County Surveyor, Parsonstown,<br>Ireland.                            |
| 1881 Feb. 1.                         | SANDIFORD, CHARLES .. ..                                 | N. W. Ry., Lahore, India.  |

| Date of Election<br>and of Transfer. |                                    | MEMBERS.   |   |
|--------------------------------------|------------------------------------|--|---|
| †                                    | { 1890 Dec. 2.<br>1896 Nov. 24. }  | *SANER, JOHN ARTHUR .. ..  | Weaver Navigation, Northwich.                                 |
| T t                                  | † 1895 Feb. 5.                     | { SANKEY, MATTHEW HENRY<br>PHINEAS RIALI, <i>Capt. R.E. ret</i> }  | Victoria Works, Rugby.  |
|                                      | 1882 Dec. 5.                       | SANTOS, JOSÉ AMÉRICO DOS ..  | Caixa 748, Rio de Janeiro.                                    |
| †                                    | { 1876 Jan. 11.<br>1880 Dec. 21. } | *SAWYER, ERNEST EDWARD,<br>M.A. ( <i>Cantab.</i> ) .. ..           | Hillhouse, Woking.  |
|                                      | 1877 May 29.                       | SAWYER, FREDERIC HENRY READ  | 5 Torrington Square, W.C.                                     |
|                                      | 1887 Nov. 15. }                    |  |   |
|                                      | 1896 Dec. 1.                       | SCALDWELL, ROBERT THOMAS   | P. W. D., Bangalore, India.                                   |
|                                      | 1885 May 19.                       | SCHENK, AUGUSTUS OSWALD ..   | Harbour Office, Swansea.                                      |
|                                      | 1896 Feb. 4.                       | { SCHNOOR, EMILIO ARMANDO<br>HENRIQUE .. .. }                      | São Paulo Ry., São Paulo, Brazil.                             |
|                                      | 1891 Feb. 3.                       | SCHUYLER, JAMES DIX .. ..  | { Stimson Building, Los Angeles, Cali-<br>fornia, U.S.        |
|                                      | 1883 Dec. 4.                       | SCOONES, THOMAS JAMES ..   | 8 Unity St., College Green, Bristol.                          |
|                                      | 1888 Feb. 21. }                    |  |   |
|                                      | 1897 Apr. 6.                       | SCORRAR, JORGE BLACK ..  | São Paulo Ry., São Paulo, Brazil.                             |
| t                                    | † { 1890 Apr. 1.<br>1897 Mar. 2. } | SCOTT, ADAM .. ..  | Admiralty Works, Gibraltar.                                   |
|                                      | 1896 Dec. 1.                       | { SCOTT, FREDERICK WILLIAM<br>MORTIMER .. .. }                     | P. W. D., Indore, Central India.                              |
|                                      | 1888 Mar. 6.                       | SCOTT, JOHN, C.B. .. ..  | Halkshill, Largs, Ayrshire.                                   |
|                                      | 1870 May 3.                        | SCOTT, PETER .. ..   | S. Mahratta Ry., Dharwar, Bombay.                             |
|                                      | 1872 May 7.                        | SCOTT, WALTER HENRY ..   | Park Road, East Molesey.                                      |
|                                      | 1891 Feb. 3.                       | SCOTT, WILLIAM BELLHOUSE ..  | Eversley Cottage, Middleton, Lanes.                           |
|                                      | 1870 Dec. 6.                       | SCOTT, WILLIAM GEORGE ..   | Central Station, Liverpool.                                   |
|                                      | 1877 Oct. 30. }                    |  |   |
|                                      | 1873 Jan. 14.                      | SCOTT, WILLIAM HENRY ..  | Casterton, Victoria.  |
|                                      | 1885 Dec. 15. }                    |  |   |
| †                                    | 1885 Dec. 1.                       | SEATON, ALBERT EDWARD ..   | { Earle's Shipbuilding Co., Hull.<br>(Seaton, Earle's, Hull.) |
|                                      | 1881 Jan. 11.                      | SEATON, EDWARD PARKE ..  | 8 Princes Street, Westminster, S.W.                           |
|                                      | 1892 Mar. 15. }                    |  |   |
|                                      | 1880 Dec. 7.                       | SELFE, NORMAN .. ..  | 183 Pitt Street, Sydney, N.S.W.                               |
|                                      | 1884 May 6.                        | { SELLERS, COLEMAN,<br>D.E. ( <i>Stevens Inst., N.J., U.S.</i> ) } | 3301 Baring St., Philadelphia, U.S.                           |
|                                      | 1887 Dec. 6.                       | SELLERS, WILLIAM .. ..   | Philadelphia, U.S.  |
|                                      | 1851 Dec. 2.                       | SELLS, CHARLES .. ..   | { Springfield, Crouch House Lane,<br>Edenbridge, Kent.        |
|                                      | 1878 Jan. 15. }                    |  |   |
|                                      | 1882 Feb. 7.                       | *SELLS, CHARLES DE GRAVE ..  | Cornigliano, Ligne, Italy.                                    |
|                                      | 1895 Nov. 5. }                     |  |   |
|                                      | 1864 Feb. 2.                       | SEWELL, PHILIP EDWARD ..   | Clare House, Norwich.   |
|                                      | 1873 Feb. 5.                       | SEWELL, WILLIAM .. ..  | Aldershot, Highfield, Yarm.                                   |
|                                      | 1896 Feb. 11. }                    |  |   |
| T t                                  | † 1880 Jan. 13.                    | SEYRIG, THEOPHILUS .. ..   | 43 Rue de Rome, Paris.  |
|                                      | 1877 May 29.                       | *SHADBOLT, ERNEST IFILL ..   | Grindlay, Groom & Co., Bombay.                                |
|                                      | 1890 Nov. 11. }                    |  |   |
|                                      | 1857 Dec. 1.                       | SHAND, JAMES .. ..   | Parkholme, Elm Park Gardens, S.W.                             |
|                                      | 1874 Mar. 17. }                    |  |   |
| S t                                  | † 1893 Dec. 5.                     | SHANKLAND, EDWARD CLAPP  | { D. H. Burnham & Co., The Rookery,<br>Chicago, Ill., U.S.A.  |
|                                      | 1872 May 14.                       | SHANKS, ARTHUR .. ..   | Fairmile, Cobham, Surrey.                                     |
|                                      | 1884 Mar. 11. }                    |  |   |
|                                      | 1880 May 4.                        | *SHARP, FREDERICK .. ..  | H. S. King & Co., 65 Cornhill, E.C.                           |
|                                      | 1896 Feb. 25. }                    |  |   |
|                                      | 1862 Feb. 4.                       | SHARP, JOSEPH FOX .. ..  | The Park, Hull.   |
|                                      | 1876 Jan. 11. }                    |  |   |
|                                      | 1877 Dec. 4.                       | SHAW, ARTHUR EDMUND ..   | { Woolley & Co., Calle Piedad 345,<br>Buenos Aires.           |
|                                      | 1882 Feb. 14. }                    |  |   |
|                                      | 1885 Dec. 1.                       | SHEARD, CHARLIE KILNER ..  |   |
|                                      | 1891 Dec. 8. }                     |  |   |



| Date of Election<br>and of Transfer. |  | MEMBERS.   |   |
|--------------------------------------|--|--|---|
| t ✚                                  | {1845 May 6.<br>1877 May 8.<br>1885 Dec. 1.<br>1894 Nov. 6.<br>1856 Apr. 1.<br>1859 Dec. 6.} | SHEARS, WILLIAM .. .. .                              | 23 Kempshott Road, Streatham, S.W.                                  |
|                                      |  | SHEDLOCK, OCTAVIUS JAMES ..                          | Grindlay & Co., Parliament St., S.W.                                |
|                                      |  | SHEILDS, FRANCIS WEBB WENT-<br>WORTH .. .. .         | Brentwood, Sholing, Southampton.                                    |
| T t<br>W ✚                           | {1866 Apr. 10.   | SHELFORD, WILLIAM .. ..                              | {35A Great George Street, S.W.<br>(Usefulness, London.)             |
|                                      | {1882 Dec. 5.<br>1892 May 3.   | *SHELLSHEAR, WALTER .. ..                            | Ry. Dept., Goulburn, N.S.W.   |
|                                      | {1888 Feb. 7.<br>1893 Apr. 18.   | SHERLOCK, HENRY ALEXANDER<br>GEORGE .. .. .          | G. E. Ry., Cambridge.   |
|                                      | {1875 Dec. 7.<br>1882 Nov. 7.  | SHERMAN, WILLIAM HANBURY<br>PETTINGAL .. .. .        | Grindlay & Co., Parliament St., S.W.                                |
|                                      | {1840 Apr. 14.   | SHERREARD, JAMES CERRY ..                            | 7 Oxford Square, Hyde Park, W.                                      |
|                                      | {1867 Apr. 2.  | SHERVINTON, THOMAS ROBERT                            | {3 Marlborough Mansions, Victoria<br>Street, S.W.                   |
|                                      | {1881 Jan. 11.<br>1866 Jan. 9.   | SHEWARD, EDWARD GOODMAN                              | 60 Harold Rd., Upper Norwood, S.E.                                  |
|                                      | {1870 Dec. 6.  | SHIELD, HENRY .. .. .                                | Fawcett, Preston, & Co., Liverpool.                                 |
|                                      | {1871 Mar. 7.<br>1879 Jan. 14.   | *SHIELD, WILLIAM, F.R.S.E. ..                        | Admiralty Works, Peterhead, N.B.                                    |
|                                      | {1889 May 7.<br>1896 Feb. 4.   | SHIELD, WILLIAM .. .. .<br>SHIPP, WILLIAM .. .. .    | 19 North Side, Clapham Common,<br>G.I.P. Ry., Bombay. [S.W.]        |
| t ✚                                  | {1864 Feb. 2.<br>1876 May 9.   | {SHOOLBRED, JAMES NELSON,<br>B.A. (Lond.) .. .. .    | {47 Victoria Street, S.W.   |
|                                      | {1877 Dec. 4.<br>1890 Mar. 18.   | *SHORES, JOHN WALLIS .. ..                           | Govt. Rys., Maritzburg, Natal.                                      |
|                                      | {1877 May 1.<br>1893 Mar. 28.  | SHORTT, CHARLES HENRY ..                             | 4 Westcombe Hill, Blackheath, S.E.                                  |
|                                      | {1887 Dec. 6.<br>1896 Mar. 31.   | *SIBBERING, GEORGE THOMAS ..                         | {Engineer, Taff Vale Railway, Car-<br>diff.                         |
| t ✚                                  | {1869 Feb. 2.<br>1879 Jan. 28.   | SICCAMA, HARCO THEODORUS<br>HORA .. .. .             | {12 Queen Anne's Gate, S.W. (Sie-<br>mens, London. Westminster 99.) |
| T t ✚                                | {1873 Feb. 4.<br>1890 Nov. 25.   | *SIEMENS, ALEXANDER<br>(Member of Council) .. ..     | {12 Queen Anne's Gate, S.W. (Sie-<br>mens, London. Westminster 99.) |
|                                      | {1870 May 24.  | SIEMENS, CARL .. .. .                                | {12 Queen Anne's Gate, S.W. (Sie-<br>mens, London. Westminster 99.) |
|                                      | {1888 Apr. 10.<br>1897 Nov. 30.  | *SILK, ALBERT EDWARD .. ..                           | King, Hamilton & Co., Calcutta.                                     |
|                                      | {1879 Feb. 4.<br>1888 Feb. 14.   | SILVA, DOMINGOS SERGIO DE<br>SABOIA E .. .. .        | Rua do Riachuelo 125, Rio de Janeiro.                               |
|                                      | {1880 Feb. 3.<br>1891 Dec. 8.  | SIM, CHARLES LOUIS .. .. .                           | Jaunpur, N W.P., India.   |
|                                      | {1883 May 1.<br>1890 Nov. 11.  | SIMMONS, JOHN .. .. .                                | 1 Prince's Street, Doncaster.                                       |
|                                      | {1881 May 3.   | SIMON, FREDERICK .. .. .                             | {24 Sutherland Gardens, Harrow<br>Road, W.                          |
|                                      | {1887 Dec. 6.<br>1868 Feb. 4.  | SIMON, HENRY .. .. .                                 | {20 Mount Street, Manchester. (Re-<br>form, Manchester.)            |
|                                      | {1874 Apr. 14.   | SIMPSON, ARTHUR TELFORD ..                           | 38 Parliament Street, S.W.  |
|                                      | {1875 Jan. 12.<br>1888 Jan. 17.  | SIMPSON, BENJAMIN CRISPIN ..                         | {Norwich Chambers, Hunter Street,<br>Sydney, N.S.W.                 |
|                                      | {1882 May 2.<br>1893 Feb. 7.   | SIMPSON, DAVID CARNEY ..                             | Govt. Rys., Redfern, Sydney, N.S.W.                                 |
|                                      | {1864 Jan. 12.<br>1874 Mar. 17.  | SIMPSON, JAMES CARRINGTON                            | 46 Finchley Road, N.W.  |
|                                      | {1885 May 19.<br>1870 Feb. 1.  | SIMPSON, JAMES THOMAS ..<br>SIMPSON, JOHN BELL .. .. | P.W.D., Toungoo, Burma.<br>Bradley Hall, Wylam-on-Tyne.             |
|                                      | {1887 Mar. 1.<br>1897 Nov. 30.   | *SIMSON, DAVID .. .. .                               | {Casilla de Correo 741, F.C. Oeste,<br>Buenos Aires.                |
|                                      | {1858 Apr. 13.   | SINCLAIR, ROBERT .. .. .                             | 17 St. Helen's Place, E.C.  |
|                                      | {1879 Dec. 2.<br>1885 Nov. 10.   | SINGLE, JOHN GODFREE .. ..                           | 1 The Esplanade, Plymouth.  |

| Date of Election<br>and of Transfer. | MEMBERS.                       |  |
|--------------------------------------|--------------------------------|--|
| 1876 Mar. 7.                         | * SKETCHLEY, HENRY GOULTON     | F. C. del Sud, Buenos Aires.           |
| 1888 Nov. 27.                        |                                | { B.B. & C.I. Ry. Co., 45 Finsbury     |
| 1858 Feb. 2.                         | SLEATER, JOHN MONTGOMERY       | { Circus, E.C.                         |
| 1868 Mar. 17.                        |                                | Easterlands, Wellington, Somerset.     |
| 1861 Dec. 3.                         | SLESSOR, FREDERICK GEORGE      |  |
| 1865 Jan. 17.                        |                                | { Water Supply & Sewerage Dept.,       |
|                                      |                                | { Sydney, N.S.W.                       |
| 1888 Feb. 7.                         | SMAIL, JOHN MOORE .. ..        | Narratri-Moree Ry., Bondi, N.S.W.      |
| 1897 Dec. 7.                         | SMALL, FREDERICK HENRY ..      |  |
| 1882 Dec. 5.                         | SMITH, EDMUND CASWELL          | Albury, N.S.W.                         |
| 1888 Nov. 20.                        | BOWYER .. ..                   |  |
| 1876 May 30.                         | SMITH, ALEXANDER .. ..         | 3 Newhall Street, Birmingham.          |
| 1878 May 14.                         |                                | { Metropolitan Board of Water Supply   |
| 1885 Jan. 13.                        | SMITH, CHARLES WALTER ..       | { and Sewerage, Sydney, N.S.W.         |
| 1895 Oct. 22.                        |                                | Etruria, Stoke-on-Trent.               |
| 1877 Feb. 6.                         | SMITH, EDWARD BLAKEWAY ..      |  |
| 1891 Jan. 27.                        |                                | { L. & N.W. Ry., Vauxhall, Birming-    |
| 1889 May 7.                          | * SMITH, EDWARD MARTIN ..      | { ham.                                 |
| 1895 Mar. 26.                        |                                | S. I. Ry., Trichinopoly, India.        |
| 1872 May 7.                          | SMITH, FRANCIS FREDERICK ..    |  |
| 1879 Nov. 11.                        |                                | Durham, New Hampshire, U.S.            |
| 1888 Feb. 7.                         | SMITH, HAMILTON .. ..          |  |
| 1884 Dec. 2.                         | SMITH, HENRY .. ..             | 101 Grosvenor Road, S.W.               |
| 1893 Nov. 14.                        |                                | Rossland, British Columbia.            |
| 1887 Feb. 1.                         | SMITH, HENRY BADELEY ..        |  |
| 1889 May 14.                         |                                | Govt. Inspector of Rys., Jamaica.      |
| 1881 Dec. 6.                         | * SMITH, HERBERT BLOMFIELD     |  |
| 1896 Mar. 17.                        |                                | The Laurels, Toowoomba, Queens-        |
| 1880 May 25.                         | SMITH, Hon. JAMES THORNELOE    | [land.                                 |
| * { 1874 May 12.                     | SMITH, JAMES WILLIAM .. ..     | Municipal Office, Bombay.              |
| * { 1889 Mar. 5.                     |                                | { County Surveyor, Ballinasloe, Ire-   |
| * { 1891 May 5.                      | * SMITH, JOHN, B.E. (Royal) .. | { land.                                |
| * { 1897 Jan 12.                     |                                | Rhine Hill, Stratford on-Avon.         |
| * { 1868 Mar. 3.                     | SMITH, JOSIAH TIMMIS .. ..     | Ottawa, Canada.                        |
| * { 1866 May 1.                      | SMITH, MARCUS .. ..            |  |
| * { 1874 May 5.                      |                                | { Roads & Bridges Dept., Sydney,       |
| * { 1885 Dec. 1.                     | SMITH, WALTER ALEXANDER        | { N.S.W.                               |
| * { 1892 Nov. 1.                     |                                | { Gatlands, South Drive, Victoria      |
|                                      |                                | { Park, Wavertree, Liverpool.          |
| * { 1874 Jan. 13.                    | SMITH, WILLIAM .. ..           | { F. C. Puerto Cabello, Valencia,      |
|                                      |                                | { Venezuela.                           |
| 1877 Jan. 16.                        | SMITH, WILLIAM ARCHIBALD ..    | 117 Victoria Street, S.W. [S.W.        |
| 1889 Jan. 15.                        |                                | Royal Societies Club, St. James's St., |
| * { 1884 Dec. 2.                     | SMITH, WILLIAM ROSE .. ..      | Estacion Central, Santiago, Chili.     |
| * { 1864 Dec. 6.                     | SMYTH, WILLIAM STOPFORD ..     |  |
| * { 1889 Mar. 5.                     | SMYTHE, THOMAS DIXON           | County Surveyor, Moot Hall, New-       |
| * { 1877 Dec. 4.                     | SNEYD-KYNNERSLEY, HENRY        | castle-on-Tyne.                        |
| * { 1885 Dec. 22.                    | FRANCIS .. ..                  | Banco do Commercio, Rio de Janeiro.    |
| * { 1883 Mar. 6.                     | SOARES, JOÃO TEIXEIRA .. ..    | Brescello, Emilia, Italy.              |
| * { 1897 Dec. 7.                     | SOLIANI, NABOR .. ..           | Chasetown, Walsall.                    |
| * { 1880 Apr. 6.                     | SOPWITH, ARTHUR .. ..          |  |
|                                      | SPAGNOLETTI, CHARLES ERNEST    | Bishop's Road Station, W.              |
| * { 1875 May 4.                      | PAOLO DIANA .. ..              | Trichinopoly, Madras.                  |
|                                      | SPALDING, WILLIAM HENRY ..     | { 91 Haworth's Buildings, Manches-     |
| * { 1879 Dec. 2.                     |                                | { ter. (Concentration, Manchester.)    |
| * { 1867 Dec. 3.                     | SPENCER, JOHN FREDERICK ..     | { P.W.D., Kwala Lumpor, Selangore,     |
|                                      |                                | { S.S.                                 |
| 1882 May 23.                         | SPOONER, CHARLES EDWIN,        | 15 Wall Street, New York, U.S.         |
| 1896 May 12.                         | B.A.I. (Dubl.) .. ..           |  |
| 1895 Mar. 5.                         | SPRAGUE, FRANK JULIAN ..       | Consulting Engineer for Railways,      |
| 1881 Dec. 6.                         | SPRING, FRANCIS JOSEPH         | Madras.                                |
| 1885 May 19.                         | EDWARD, C.I.E. .. ..           | { c/o H. S. King & Co., 65 Cornhill,   |
| 1889 May 7.                          | * SQUIRE, WILLIAM WILKINSON    | { E.C.                                 |

| Date of Election<br>and of Transfer. |   | MEMBERS.  |   |
|--------------------------------------|---|---|---|
| 1882 Feb. 7.                         | } | STABLES, HENRY LEONARD ..   | São Paulo Ry., São Paulo, Brazil.                                       |
| 1885 Feb. 3.                         |   |   |   |
| 1877 Dec. 4.                         |   |   |   |
| 1884 Oct. 14.                        |   |   |   |
| 1874 Feb. 3.                         | } | STAFFORD, FREDERICK .. ..   | { Midland Railway, Perth, Western<br>Australia.                         |
| 1890 Nov. 11.                        |   |   |   |
| 1897 Feb. 2.                         |   |   |   |
| ✠ 1877 May 29.                       |   |   |   |
| 1859 Dec. 6.                         | } | STANGER, WILLIAM HARRY ..   | { Broadway Testing Works, West-<br>minster, S.W. (Westminster 117.)     |
| ✠ 1897 Feb. 2.                       |   |   |   |
| 1859 Dec. 6.                         |   |   |   |
| 1860 Dec. 4.                         |   |   |   |
| ✠ 1892 Dec. 6.                       | } | STANTON, JOHN HARRISON ..   | { São Paulo Ry., São Paulo, Brazil.<br>Ry. Dept., Brisbane, Queensland. |
| 1896 Dec. 1.                         |   |   |   |
| 1883 Dec. 4.                         |   |   |   |
| 1890 Dec. 2.                         |   |   |   |
| ✠ 1877 May 29.                       | } | STANTON, ROBERT BREWSTER, {<br>M.A. ( <i>Miami Univ., Ohio</i> )    | { The Knowle, Leigham Court Road,<br>Streatham, S.W.                    |
| 1896 Dec. 1.                         |   |   |   |
| 1883 Dec. 4.                         |   |   |   |
| 1890 Dec. 2.                         |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STAUFFER, DAVID McNEELY ..  | { Stubb House, Winston, Darlington.<br>Scwickley, Penn., U.S.           |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STAVELIUS, HYALMAR FRED-<br>ERICK .. .. .                           | { St. Paul Building, New York, U.S.<br>Adrogué, Buenos Aires.           |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STAYTON, GEORGE HENRY ..  | { Box 447, G.P.O., Sydney, N.S.W.                                       |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEAD, WALKER .. .. .   | { County Surveyor, Northallerton.                                       |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEAVENSON, ADDISON LANG-<br>HORNE .. .. .                          | { Durham.   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STELFOX, JAMES .. .. .  | { Gasworks, Belfast.  |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STENT, WILLIAM KITSON ..  | { Sherwood, Stanthorpe Road, Streat-<br>ham, S.W.                       |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | *STEPHENS, GEORGE HENRY ..  | { New Barrage, Assiout, Egypt.  |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEPHENSON, GEORGE RO-<br>BERT ( <i>Past-President.</i> ) ..        | { Ben Braich, Tilehurst Rd., Reading.                                   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEVENS, HENRY WANSBOROUGH  | { 3 Hastings Street, Calcutta.  |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEVENS, WILLIAM .. .. .  | { Bygholm, Bjerget, North Jutland.                                      |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEVENSON, CHARLES ALEX-<br>ANDER, B.Sc., ( <i>Edin.</i> ) F.R.S.E. | { 84 George Street, Edinburgh.  |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEVENSON, DAVID ALAN.<br>B.Sc. ( <i>Edin.</i> ), F.R.S.E. ..       | { 38 Parliament Street, S.W. (Holo-<br>meter, London.)                  |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEVENSON, EDMUND HERBERT   | { United Gas Co., Commercial Street,<br>Sheffield. (Gas, Sheffield.)    |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEVENSON, FLETCHER WILSON  | { L. & N.W. Ry., Euston Station, N.W.                                   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEVENSON, FRANCIS .. ..  | { Rochdale Road Gasworks, Man-<br>chester.                              |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | *STEVENSON, GEORGE ERNEST ..  | { Shipquay Street, Londonderry.   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | { STEWART, ABRAHAM McCaus-<br>LAND, B.A.I. ( <i>Dubl.</i> ) .. .. } | { Broken Hill Mines, N.S.W.   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEWART, ALEXANDER .. ..  | { 9 Bridge Street, Westminster, S.W.                                    |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEWART, HOUSTON STEWART  | { Auckland, N.Z.  |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEWART, JOHN TIFFIN .. ..  | { Haumoana, Aramoho, Wanganui, N.Z.                                     |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STEWART, STAIR AGNEW .. ..  | { Bournhall Cottage, Bushey, Herts.                                     |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | *STEWART, THOMAS .. ..  | { 6 St. George's Chambers, Cape Town,<br>C.C.                           |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | { STEWART, THOMAS .. ..   | { 1 Victoria Street, S.W.   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | *STILEMAN, FRANK .. .. .  | { S. E. Ry., Ashford, Kent. [Hull.                                      |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STIRLING, JAMES .. .. .   | { Hull & Barnsley Ry., Spring Head,                                     |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STIRLING, MATTHEW .. ..   | { Tocopilla, Chili.   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STIRLING, ROBERT .. .. .  | { Municipal Eng., Rangoon, Burma.                                       |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |
| ✠ 1878 Apr. 2.                       | } | STIRRRAT, JOHN .. .. .  | {   |
| ✠ 1884 Nov. 25.                      |   |   |   |
| 1870 Feb. 1.                         |   |   |   |
| 1881 May 3.                          |   |   |   |

| Date of Election<br>and of Transfer. |   | MEMBERS.  |
|--------------------------------------|---|---|
| 1855 Mar. 6.                         | } | STOCKMAN, BENJAMIN PRYOR 82 Victoria Street, S.W.                             |
| 1880 Feb. 10.                        |   |   |
| 1893 Dec. 5.                         |   |   |
| 1898 Feb. 1.                         | } | STOCKMAN, HARRY READ .. Thorudean, Leyburne Road, Dover.                      |
| 1864 Feb. 2.                         |   | STONE, CHARLES .. .. Dalhousie, Outram Rd., Addiscombe.                       |
| 1874 May 5.                          |   | *STONE, EDWARD HERBERT .. E. I. Ry., Calcutta.                                |
| 1885 Feb. 24.                        | } |   |
| 1858 Jan. 12.                        |   | STONEY, BINDON BLOOD, } 14 Elgin Road, Dublin.                                |
| 1863 Nov. 17.                        |   | LL.D. (Dubl.), F.R.S. .. }  |
| T t                                  | } | STONEY, EDWARD WALLER, } Chief Engineer, Madras Railway,                      |
|                                      |   | M.E. (Queen's) .. .. } Royapuram, Madras.                                     |
|                                      |   | 1875 May 4. } 6 Albert Rd., Clifton, Bristol.                                 |
| 1878 Mar. 5.                         | } | STOREY, HENRY FRANCIS .. } Darwen Iron Co., Mostyn, Flints.                   |
| 1886 May 18.                         |   | *STOREY, WILLIAM JOHN .. }  |
| 1893 Oct. 3.                         |   | PATRICKSON .. .. } Market Place, Derby.                                       |
| 1876 Feb. 1.                         | } | STORY, JOHN SOMES .. .. } Steamship Works, Bristol.                           |
| 1861 Dec. 3.                         |   | STOTHERT, GEORGE KELSON .. }  |
| 1877 Oct. 30.                        |   |   |
| 1886 Jan. 12.                        | } | STRACHAN, GEORGE RICHARD- } 3 Lessar Avenue, Clapham Common,                  |
| 1894 Nov. 27.                        |   | SON .. .. } S.W.  |
| t                                    | } | 1871 Dec. 5. } 17 St. Stephen's Road, Bayswater,                              |
|                                      |   | 1882 May 23. } W.   |
|                                      |   | 1875 May 4. } STRAIN, JOHN .. .. } 154 West George Street, Glasgow.           |
| 1882 Mar. 7.                         | } | STRAPP, JOHN .. .. } Henley House, Grove Rd., Surbiton.                       |
| 1854 Jan. 10.                        |   | 1876 May 2. } L. T. & S. Ry., Fenchurch St., E.C.                             |
| 1860 Jan. 17.                        |   | 1877 Nov. 27. } (Letser, London. Avenue 4376.)                                |
| 1876 May 2.                          | } | STRIDE, ARTHUR LEWIS .. } 1744 Monadnock Block, Chicago, Ill.,                |
| 1877 Nov. 27.                        |   | U.S.  |
| 1889 Apr. 2.                         |   | STROBEL, CHARLES LEWIS .. } Steam Users' Association, 9 Mount                 |
| T t                                  | } | 1885 Dec. 1. } STROMEYER, JOHANN PHILIP } Street, Manchester.                 |
|                                      |   | 1897 Nov. 30. } EDMOND CHARLES .. .. } Stockwell House, London Rd., Tun-      |
|                                      |   | 1875 Dec. 7. } STRONG, EDWARD GRAY .. .. } bridge Wells.                      |
| 1894 Dec. 4.                         | } | STUART, CHARLES McDONNELL } Govt. Rys., Sydney, N.S.W.                        |
| 1880 Dec. 7.                         |   | *STUART, ROBERT HENRY FRE- } F.C.G.O.A., Mendoza, Argentina.                  |
| 1891 Feb. 3.                         |   | DERICK .. .. }  |
| 1882 Mar. 7.                         | } | *SUMMERS, THOMAS, B.Sc. (Edin.) } 32 Craigmillar Park, Edinburgh.             |
| 1894 Oct. 30.                        |   | 1883 May 1. } SUTCLIFFE, FREDERIC JOHN } Low Moor Ironworks, Bradford.        |
| 1896 Mar. 24.                        |   | RAMSBOTTOM .. .. }  |
| W t                                  | } | 1877 Dec. 4. } SUTCLIFFE, GEORGE WILLIAM } Whingarth, Marple, Stockport.      |
|                                      |   | 1893 Nov. 14. }   |
|                                      |   | 1885 Apr. 14. } SWAN, ARCHIBALD ALEXANDER, } Swan & Maclaren, Singapore, S.S. |
| 1896 May 19.                         | } | B.Sc. (Glas.) .. .. }   |
| 1896 Dec. 1.                         |   | SWAN, HENRY FREDERICK .. } North Jesmond, Newcastle-on-Tyne.                  |
| 1878 Dec. 3.                         |   | SWINBURN, JOHN .. .. } L.&Y. Ry., Eng.'s Office, Manchester.                  |
| *                                    | } | 1893 Mar. 7. } SWINBURNE, JAMES .. .. } 66 Victoria Street, S.W. (West-       |
|                                      |   | 1894 Apr. 10. } minster 292.)   |
|                                      |   | 1875 Jan. 12. } SWINDELLS, RUPERT .. .. } Wilton Villa, The Firs, Bowden,     |
| 1883 Jan. 22.                        | } | Altrincham.   |
| 1877 Feb. 6.                         |   | SWINDLEHURST, ROBERT HENRY } Town Hall, Bolton.                               |
| 1885 Dec. 1.                         |   | 1889 May 21. } SWINEY, JOHN HARRIS } 83 Royal Avenue, Belfast.                |
| 1894 May 8.                          | } | HAZLETT, B.A.I. (Dubl.) .. }  |
| 1884 Feb. 5.                         |   | SWINNERTON, ROBERT ALLEN } Akola, Berar, India.                               |
| 1894 May 8.                          |   | WILLIAM .. .. }   |
| 1879 May 27.                         | } | SYKES, BENJAMIN .. .. } 33 Winckley Square, Preston. (28.)                    |
| 1880 Feb. 3.                         |   | SYKES, GEORGE HENRY, } Glencoe, Elmbourne Road, Tooting                       |
| 1886 Nov. 9.                         |   | M.A. (Dubl.) .. .. } Common, S.W.   |
| 1876 Feb. 1.                         | } | SYMONS, BRENTON .. .. } 5 Kew Gardens Road, S.W.                              |
| 1887 Nov. 8.                         |   | 1883 Feb. 6. } *SZLUMPER, ALFRED WEEKS .. } L. & S.W. Ry., Clapham Junction,  |
| 1890 Apr. 29.                        |   | S.W.  |



Date of Election  
and of Transfer.

## MEMBERS.

|   |                |                             |                                       |  |
|---|----------------|-----------------------------|---------------------------------------|--|
|   | 1864 Dec. 6.}  |                             |                                       |  |
|   | 1867 May 21.}  | SZLUMPER, Sir JAMES WEEKS   | 17 Victoria Street, S.W.              |  |
|   | 1888 Apr. 10.} |                             |                                       |  |
|   | 1896 Jan. 21.} | SZLUMPER, WILLIAM WEEKS ..  | 17 Victoria Street, S.W.              |  |
| m | 1870 Mar. 1.}  | TAIT, GEORGE HUNTER .. ..   | 15 Lowfield St., Dartford.            |  |
|   | 1876 Dec. 12.} |                             |                                       |  |
| + | 1891 Dec. 1.}  | *TAIT, WILLIAM ARCHER       | {Leslie & Reid, 72A George Street,    |  |
|   | 1897 Mar. 2.}  | PORTER, B.Sc. (Edin.) ..    | {Edinburgh.                           |  |
|   | 1862 May 6.}   | TANNER, JOHN EDWARD. C.M.G. | 91 Warwick Rd., Earl's Court, S.W.    |  |
|   | 1897 Feb. 2.}  | {TAPAJÓS, TORQUATO XAVIER   | Rua Hospicio 27, Rio de Janeiro.      |  |
|   |                | MONTEIRO .. .. .}           |                                       |  |
|   | 1885 Apr. 14.} | *TARBUTT, PERCY .. .. .     | 23 St. Swithin's Lane, E.C.           |  |
|   | 1888 Dec. 18.} |                             |                                       |  |
|   | 1875 Dec. 7.}  | TATE, JOHN .. .. .          | P. W. D., Bombay.                     |  |
|   | 1879 Nov. 4.}  |                             |                                       |  |
|   | 1887 Jan. 11.} | TATTON, REGINALD ARTHUR ..  | 44 Mosley Street, Manchester.         |  |
|   | 1891 Apr. 21.} |                             |                                       |  |
|   | 1881 Feb. 1.}  | *TAYLOR, EDWARD BROUGH ..   | {27 Great George Street, S.W.         |  |
|   | 1890 Feb. 4.}  |                             | {(Waterage, London.)                  |  |
|   | 1887 Apr. 5.}  | *TAYLOR, GOTFRED MIDGLEY .. | {27 Great George Street, S.W.         |  |
|   | 1898 Feb. 8.}  |                             | {(Waterage, London.)                  |  |
|   | 1887 Dec. 6.}  | *TAYLOR, HAROLD BLAKE,      | Guna-Bara & Kotah Ry., Goona,         |  |
|   | 1896 Nov. 16.} | F.C.H. .. .. .              | C.P., India.                          |  |
|   | 1884 May 27.}  | TAYLOR, HENRY ENFIELD ..    | {15 Newgate St., Chester. (Enfield    |  |
|   | 1869 Dec. 7.}  |                             | {Taylor, Chester.)                    |  |
|   | 1882 Feb. 14.} | TAYLOR, HERBERT ARNAND ..   | 4 Great Winchester Street, E.C.       |  |
|   | 1884 Apr. 1.}  | TAYLOR, JOHN .. .. .        | 6 Queen St. Place, E.C. (Bank 828.)   |  |
|   | 1886 Apr. 6.}  | *TAYLOR, WALTER .. .. .     | {Ship Canal, 41 Spring Gardens,       |  |
|   | 1896 Nov. 24.} |                             | {Manchester.                          |  |
|   | 1886 Feb. 2.}  | *TEMPEST, PERCY CROSLAND    | S.E. Ry., London Bridge Station, S.E. |  |
|   | 1897 Feb. 2.}  |                             |                                       |  |
|   | 1879 Mar. 4.}  | *TERRY, STEPHEN HARDING ..  | {17 Victoria Street, S.W. (Crank-     |  |
|   | 1894 Nov. 20.} |                             | {pin, London.)                        |  |
| + | 1875 Apr. 6.}  | THELWALL, WALTER HAMPDEN    | 3 Tokenhouse Buildings, E.C.          |  |
|   | 1883 May 22.}  |                             |                                       |  |
|   | 1878 Mar. 5.}  | THOMAS, HUBERT .. .. .      | 21 Surrey Street, Strand, W.C.        |  |
|   | 1886 Dec. 7.}  |                             |                                       |  |
|   | 1889 Nov. 26.} | THOMAS, JOSEPH .. .. .      | Looe Land Improvement, Cornwall.      |  |
|   | 1881 May 31.}  | THOMAS, JOSEPH HENRY ..     | Santiago, Chili.                      |  |
| + | 1874 Dec. 1.}  | THOMAS, WILLIAM HENRY ..    | 6 Delahay St., Westminster, S.W.      |  |
|   | 1882 Feb. 7.}  |                             |                                       |  |
| + | 1887 Feb. 1.}  | THOMPSON, ARTHUR MOORE ..   | L. & N. W. Ry., Crewe.                |  |
| + | 1886 May 18.}  | *THOMPSON, HARRY JAMES ..   | Madras Ry., Madras.                   |  |
|   | 1893 May 9.}   |                             |                                       |  |
|   | 1878 Mar. 5.}  | {THOMPSON, HENRY MUNGO,     | H. S. King & Co., 45 Pall Mall, S.W.  |  |
|   |                | B.A. (Dubl.) .. .. .}       |                                       |  |
|   | 1890 May 6.}   | THOMPSON, ROBERT .. .. .    | {Metropolitan Gas Co., Melbourne,     |  |
|   |                |                             | {Victoria.                            |  |
|   | 1867 Feb. 5.}  | THOMPSON, THOMAS JEFFERSON  | Greystones, co. Wicklow.              |  |
|   | 1877 May 29.}  | {THOMPSON, WILLIAM GEORGE   | St. Catharines, Ontario, Canada.      |  |
|   |                | MACNEILL .. .. .}           |                                       |  |
|   | 1871 Apr. 4.}  | THOMSON, CAMPBELL .. ..     | N. W. Ry., Quetta, India.             |  |
|   | 1885 Feb. 24.} |                             |                                       |  |
|   | 1895 Apr. 2.}  | THOMSON, Professor ELIHU .. | Lynn, Mass., U.S.                     |  |
|   | 1889 May 7.}   | THOMSON, GEORGE HUNTINGTON  | 51 East 44th St., New York, U.S.      |  |
|   | 1893 May 16.}  | *THOMSON, THOMAS FRAME ..   | {Winchester House, Old Broad Street,  |  |
|   | 1898 Feb. 22.} |                             | {E.C.                                 |  |

Date of Election  
and of Transfer.

## MEMBERS.

|   |                 |  |   |
|---|-----------------|--|---|
|   | 1880 Dec. 7.    | THOMSON, WILLIAM .. ..                   | Algeciras, Spain.   |
|   | 1884 Feb. 26.   | THORNHILL, EDWARD BAYLIES                | 80 Avenue Road, N.W.  |
|   | 1870 May 3.     | THORNHILL, JOSEPH HELEN,                 | Patrick's Hill, Cork.   |
|   | 1889 Apr. 2.    | { M.E. ( <i>Queen's</i> ) .. .. }        |   |
|   | 1882 Feb. 7.    | THORNTON, JOHN MILLER ..                 | { Midland and N. E. Rys., Uitenhage,<br>Cape Colony.                    |
|   | 1887 May 3.     | THORNYCROFT, JOHN ISAAC,                 | { Eyot Villa, Chiswick Mall. (Thorny-<br>croft, London. Hammersmith 6.) |
| + | { 1873 Jan. 14. | { F.R.S. .. .. }                         | { c/o H. S. King & Co., 45 Pall Mall,<br>S.W.                           |
|   | 1872 May 7.     | *THOROWGOOD, FRANK NAPIER                | Govt. Rys., Sydney, N.S.W.  |
|   | 1877 Dec. 11.   | THOW, WILLIAM .. ..                      | 27 The Bail, Lincoln.   |
| + | 1890 Dec. 2.    | THROPP, JAMES .. ..                      |   |
|   | 1886 May 4.     | THURSBY, CHARLES RADCLIFFE               | Calle Reconquista 20, Buenos Aires.                                     |
|   | 1889 Jan. 8.    | THURSFIELD, WILLIAM EDWIN                | Gumpoldskirchen, Vienna.  |
|   | 1883 Mar. 6.    | THWAITES, CHRISTOPHER ..                 | Burnell Road, Sutton, Surrey.   |
|   | 1891 Dec. 1.    | THWAITES, HENRY .. ..                    | Table Bay Harbour, Cape Colony.   |
|   | 1881 Dec. 6.    | THWAITES, WILLIAM, M.A. ( <i>Melb.</i> ) | Board of Works, Melbourne, Victoria.                                    |
|   | 1869 Dec. 7.    | TICKELL, CHARLES .. ..                   | Rushett House, Cheam, Surrey.   |
|   | 1876 Apr. 4.    | TILNEY, JOHN DEANE .. ..                 | { Govt. Rys., East London, Cape<br>Colony.                              |
|   | 1898 Apr. 5.    | TILNE, GEORGE ADOLPHUS ..                | { 24 Strathblaine Road, New Wands-<br>worth, S.W.                       |
|   | 1887 Dec. 6.    | TIMMIS, ILLIUS AUGUSTUS ..               | 2 Great George Street, S.W.   |
|   | 1889 Nov. 5.    | *TINGLE, HENRY JOHN .. ..                | { 31 Old Queen St., Westminster, S.W.<br>(Piezometer, London.)          |
|   | 1898 Apr. 5.    | TIPLADY, RICHARD .. ..                   | { Bahia & São Francisco Ry., Bahia,<br>Brazil.                          |
|   | 1888 Feb. 7.    | TIPPETT, GEORGE FREDERICK                | { Harbour Works, East London, Cape<br>Colony.                           |
|   | 1891 Dec. 1.    | TOMKINS, WILLIAM STEELE ..               | 28 Victoria Street, S.W.  |
|   | 1894 Oct. 16.   | *TOMLINSON, SAM .. ..                    | Municipal Engineer, Singapore, S.S.                                     |
|   | 1881 Apr. 5.    | *TOPP, AUGUSTUS WORTHINGTON              | Walton, near Liverpool.   |
|   | 1888 May 8.     | TOWER, BEAUCHAMP .. ..                   | 5 Queen Anne's Gate, S.W.   |
|   | 1877 Apr. 10.   | TRAILL, THOMAS WILLIAM ..                | { 40 The Chase, Clapham Common,<br>S.W.                                 |
|   | 1895 Feb. 12.   | TRENCH, LOUIS, B.A. ( <i>Cantab.</i> )   | { Engineer's Office, L. & N. W. Ry.,<br>Crow Trees, Gomersal, Leeds.    |
|   | 1873 Jan. 14.   | TRERY, CHARLES ALFRED ..                 | N.W. Ry., Bahia Blanca, Argentina.                                      |
|   | 1889 Feb. 5.    | TREVITHICK, FRANCIS HENRY                | Alexandra Road, Penzance.   |
|   | 1889 Feb. 5.    | TREVITHICK, FREDERICK HARVEY             | { Loco. Supt., Egyptian Railways,<br>Cairo.                             |
|   | 1895 Oct. 22.   | TREVITHICK, RICHARD FRANCIS              | Imperial Govt. Rys., Kobe, Japan.                                       |
|   | 1889 May 7.     | TREVITHICK, ROBERT LOWTHIAN              | Loco. Dept., G.I.P. Ry., Bombay.  |
|   | 1885 Apr. 14.   | TREWBY, GEORGE CARELESS ..               | { Gas Light & Coke Co., Horseferry<br>Road, S.W.                        |
|   | 1891 Nov. 9.    | TRIPP, WILLIAM BLOMEFIELD                | Spring Grove, Isleworth.  |
|   | 1890 Feb. 4.    | TRITTON, SEYMOUR BISCOE ..               | 17 Water Street, Liverpool.   |
|   | 1884 May 6.     | TRUMAN, ARTHUR SMITH ..                  | 32 Forest Road West, Nottingham.  |
|   | 1886 Mar. 2.    | *TRUMP, JOHN .. ..                       | Deputy State Engineer, Perak, S.S.                                      |
|   | 1874 Feb. 3.    |  |   |
|   | 1879 Mar. 25.   |  |   |
|   | 1887 Dec. 6.    |  |   |
|   | 1892 Nov. 8.    |  |   |
|   | 1879 Dec. 2.    |  |   |
|   | 1887 May 10.    |  |   |
|   | 1881 Apr. 5.    |  |   |
|   | 1891 May 12.    |  |   |
|   | 1885 May 5.     |  |   |
|   | 1883 Dec. 4.    |  |   |
|   | 1897 Dec. 21.   |  |   |
|   | 1866 Mar. 6.    |  |   |
|   | 1875 Apr. 27.   |  |   |
|   | 1877 Dec. 4.    |  |   |
|   | 1883 Nov. 29.   |  |   |
|   | 1893 Mar. 7.    |  |   |
|   | 1896 Apr. 21.   |  |   |
|   | 1871 Dec. 5.    |  |   |
|   | 1892 Jan. 26.   |  |   |
|   | 1883 Dec. 4.    |  |   |
|   | 1896 Nov. 16.   |  |   |



| Date of Election<br>and of Transfer. |                   | MEMBERS.   |   |
|--------------------------------------|-------------------|--|---|
| m                                    | 1871 Apr. 4.      | { TRUTCH, Sir JOSEPH WILLIAM,<br>K.C.M.G. .. .. . }              | Victoria, British Columbia.   |
|                                      | { 1885 Dec. 1. }  | { *TUDSBERY, JOHN HENRY  | { Great George Street, S.W. (Institu-<br>tion, London. Westminster 51.) |
|                                      | { 1885 Dec. 1. }  | { TUDSBERY, D.Sc. (Glas.) ..<br>(Secretary)                      |   |
|                                      | 1892 Mar. 22.     | { *TUIT, JAMES EDWARD .. .. }                                    | 32 Victoria Street, S.W.  |
|                                      | 1881 Dec. 6.      | { *TULLOCH, FREDERICK HERBERT                                    | Local Government Board, S.W.  |
|                                      | 1894 Feb. 27.     | {  |   |
|                                      | 1865 Dec. 5.      | TURNER, EDWARD RUSH ..   | St. Peter's Ironworks, Ipswich.   |
|                                      | 1879 Apr. 1.      | {  |   |
|                                      | 1866 May 15.      | TURNER, WILLIAM BARROW ..  | Ponsonby Hall, Carnforth.   |
|                                      | 1877 Jan. 16.     | {  |   |
|                                      | 1886 Mar. 2.      | { TUTHILL, ROBERT REEVES,<br>B.A. (Dubl.) .. .. . }              | 7 Mount Avenue, Ealing, W.  |
|                                      | 1869 Dec. 7.      | { TWIGG, ROBERT HARKNESS ..                                      |   |
|                                      | 1879 Feb. 25.     | { TYLDEN-WRIGHT, CHARLES ..                                      | Mapperley Hall, Nottingham.   |
|                                      | 1883 Dec. 4.      | { TYLER, JOHN FRANKLYN ..  |   |
|                                      | 1881 Dec. 6.      | {  | { 5 Delannay's Road, Crumpsall, Man-<br>chester.                        |
|                                      | 1890 May 6.       | { *TYNDALE, WALTER CLIFFORD                                      |   |
|                                      | 1896 Nov. 24.     | {  | Horseguards, Whitehall, S.W.  |
|                                      | 1877 Apr. 10.     | { *TYRRELL, ARTHUR WILLIAM                                       |   |
|                                      | 1880 Mar. 16.     | { NAIRNE .. .. . }   | 1 Victoria Street, S.W.   |
|                                      | 1885 Feb. 3.      | { TYRRELL, FREDERICK, Lt.-Col.<br>Madras Staff Corps ret. .. }   |   |
|                                      | 1880 May 4.       | { *TYRRELL, LEWIS GORDON ..                                      | Midland Ry., Jhansi, N.W.P., India.                                     |
|                                      | 1885 Dec. 8.      | {  |   |
| m                                    | { 1880 Dec. 7. }  | { *TYSOE, JOSEPH .. .. . }                                       | { South Metropolitan Gasworks, East<br>Greenwich, S.E.                  |
|                                      | { 1897 Nov. 30. } | {  |   |
| T t S<br>W L F                       | 1897 Mar. 2.      | { UHAGON Y VEDIA, PEDRO<br>PASCUAL DE .. .. . }                  | Valenzuela 4, Madrid.   |
|                                      | 1865 Dec. 5.      | UNWIN, HOWARD .. .. .  | 1 Newton Grove, Bedford Park, W.  |
|                                      | 1876 Dec. 19.     | {  |   |
|                                      | { 1867 Feb. 5. }  | { UNWIN, Professor WILLIAM CAW-<br>THORNE, B.Sc. (Lond.), F.R.S. | { 7 Palace Gate Mansions, Kensing-<br>ton, W.                           |
|                                      | { 1877 Oct. 30. } | {  |   |
|                                      | 1872 Dec. 3.      | UPCOTT, FREDERICK ROBERT   | { Secretary to Government, P.W.D.,<br>Calcutta.                         |
|                                      | 1879 Nov. 11.     | {  |   |
|                                      | 1843 May 2.       | UPWARD, ALFRED .. .. .   | 150 Holland Road, W.  |
|                                      | 1864 May 10.      | {  |   |
|                                      | { 1887 Mar. 1. }  | { URQUHART, THOMAS... .. . }                                     | Delny House, Delny, Ross-shire, N.B.                                    |
|                                      | 1886 Feb. 2.      | USSHER, EDGEWORTH RICHARD  |   |
|                                      | 1864 Mar. 1.      | UTLEY, SAMUEL .. .. .  | { 10 Waterhouse Street, Halifax, York-<br>shire.                        |
|                                      | 1888 Feb. 14.     |  |   |
|                                      | 1877 Mar. 6.      | { *VALENTINE, FREDERICK ..                                       | King Staith Square, King's Lynn.  |
|                                      | 1886 Mar. 8.      | {  |   |
|                                      | 1874 May 5.       | VALPY, HENRY VALPOT FRANCIS                                      | { 71 Westfield Road, Edgbaston, Bir-<br>mingham. (3539.)                |
|                                      | 1880 Feb. 3.      | { *VAUDREY, JOHN CLOUGH ..                                       |   |
|                                      | 1893 May 9.       | {  | 16 Dry Hill Park Road, Tonbridge.                                       |
|                                      | 1892 May 3.       | VAUGHAN, RICHARD WYNDHAM   |   |
|                                      | 1875 May 4.       | VAVASSEUR, JOSIAH, C.B. ..                                       | { Rothbury, Blackheath Park, S.E.<br>(Exemplar, London.)                |
|                                      | {                 | {  |   |
|                                      | 1890 Apr. 1.      | VECCHIO, ADOLPHO JOSÉ DEL  | Rua Evaristo da Veiga 9, Rio de Janeiro.                                |
| T t m                                | { 1865 Dec. 5. }  | { VERNON - HARCOURT, LEVESON                                     | 6 Queen Anne's Gate, S.W.   |
|                                      | { 1871 Dec. 19. } | { FRANCIS, M.A. (Oxon.) ..                                       |   |
|                                      | 1889 Feb. 5.      | VICKERS, THOMAS EDWARD ..  | River Don Works, Sheffield.   |



| Date of Election<br>and of Transfer. |  | MEMBERS.                               |  |
|--------------------------------------|--|--|--|
| 1887 Mar. 1.                         | WARD-SMITH, WILLIAM ..                       | H. S. King & Co., 45 Pall Mall, S.W.   |  |
| 1873 Apr. 1.                         | } WARE, CHARLES EDWIN ..                     | Gandy Street Chambers, Exeter.         |  |
| 1880 Feb. 17.                        |  |  |  |
| 1887 Dec. 6.                         |  |  |  |
| 1875 Apr. 6.                         | { DELANCY .. .. .                            | { 5 Victoria Street, S.W.              |  |
| † 1879 Feb. 18.                      | WARING, FRANCIS JOHN, C.M.G.                 | 1 Victoria Street, S.W.                |  |
| † 1882 Dec. 5.                       | WARING, GEORGE E., JUN. ..                   | Newport, Rhode Island, U.S.            |  |
| † 1872 Dec. 3.                       | WARING, HENRY ROBERT ..                      | 127 San Miguel, Palma, Mallorca.       |  |
| 1877 Dec. 4.                         | } WARREN, <i>Professor</i> WILLIAM           | University, Sydney, N.S.W.             |  |
| 1887 Feb. 8.                         |  |  |  |
| 1889 Mar. 5.                         | * WATKINS, ALEXANDER JAMES                   | Govt. Rys., Kwala Lumpur, Selangor,    |  |
| 1896 Jan. 28.                        | { WILLIAM .. .. .                            | { S.S.                                 |  |
| 1879 Mar. 4.                         | * WATSON, CHARLES JAMES                      | { H. S. King & Co., 45 Pall Mall, S.W. |  |
| 1896 Jan. 28.                        | { KNIGHT .. .. .                             | { Waterworks Engineer, Town Hall,      |  |
| 1875 May 4.                          | } WATSON, JAMES .. .. .                      | { Bradford.                            |  |
| 1885 Jan. 20.                        |  | { Bradford.                            |  |
| † 1868 Jan. 14.                      | } WAWN, CHARLES .. .. .                      | { Rhoddean, Carnarvon.                 |  |
| † 1877 May 8.                        |  | { Rhoddean, Carnarvon.                 |  |
| 1887 May 3.                          | WAY, ROBERT ATWELL ..                        | H. S. King & Co., 45 Pall Mall, S.W.   |  |
| 1878 Jan. 15.                        | } WEAVER, WILLIAM .. .. .                    | { Town Hall, Kensington, W.            |  |
| 1892 Feb. 9.                         |  | { Town Hall, Kensington, W.            |  |
| † 1865 May 23.                       | WEBB, FRANCIS WILLIAM ..                     | { L. & N.W. Ry., Crewe.                |  |
| † 1872 Dec. 3.                       | { (Member of Council.)                       | { L. & N.W. Ry., Crewe.                |  |
| † 1857 Mar. 3.                       | } WEBB, FREDERICK CHARLES ..                 | { 34 Agincourt Rd., Hampstead, N.W.    |  |
| † 1868 Feb. 4.                       |  | { 34 Agincourt Rd., Hampstead, N.W.    |  |
| 1891 Dec. 1.                         | { WEBBER, CHARLES EDMUND,                    | { 17 Egerton Gardens, S.W.             |  |
| 1892 Dec. 6.                         | { C.B., <i>Maj.-Gen.</i> R.E. <i>ret.</i> .. | { 17 Egerton Gardens, S.W.             |  |
| 1894 Nov. 27.                        | WEBSTER, HENRY, B.A.I. ( <i>Dubl.</i> )      | County Surveyor, Wexford.              |  |
| 1876 Feb. 1.                         | } WEBSTER, JOHN .. .. .                      | 32 Drewton Street, Bradford.           |  |
| 1889 Jan. 29.                        |  |  |  |
| † 1879 Feb. 4.                       |  |  |  |
| T t † 1886 May 11.                   | WEBSTER, JOHN JAMES ..                       | 39 Victoria Street, S.W.               |  |
| 1876 Mar. 7.                         | } WEEDON, JOHN FRANCIS ..                    | { 19 Wellington Crescent, Battery      |  |
| 1890 Jan. 21.                        |  | { Point, Hobart, Tasmania.             |  |
| † 1888 Dec. 4.                       | * WEIGHTMAN, WALTER JAMES                    | Nilgiri Ry., Coonoor, Madras.          |  |
| † 1894 Oct. 30.                      |  |  |  |
| 1884 Feb. 5.                         | * WEIR, THOMAS DUNCAN,                       | { 151 Cannon Street, E.C.              |  |
| 1897 Nov. 30.                        | { B.Sc. ( <i>Glas.</i> ) .. .. .             |  |  |
| 1881 Feb. 1.                         | WELBY, RICHARD FLINT ..                      | 4 Landscore Villas, Teignmouth.        |  |
| 1875 May 11.                         | WELLESLEY, GERALD EDWARD                     | 33 Portman Square, W.                  |  |
| 1890 Jan. 14.                        | WELLS, FREDERICK .. ..                       | Clevess, Ryde, N.S.W.                  |  |
| 1881 Dec. 6.                         | WELLS, JAMES WILLIAM ..                      | Olinda, The Avenue, Beckenham.         |  |
| † 1872 May 7.                        | WELLS, LIONEL BURY .. ..                     | 5 John Dalton St., Manchester.         |  |
| † 1870 Dec. 6.                       | } WELSH, EDWARD .. .. .                      | G. I. P. Ry., Victoria Terminus, Bom-  |  |
| 1869 Dec. 7.                         |  |  |  |
| 1891 May 5.                          | { EDWARD .. .. .                             |  |  |
| 1866 Dec. 4.                         | WEST, ARTHUR ANDERSON ..                     | { Clyst House, Theydon Bois Road, nr.  |  |
| † 1885 Dec. 1.                       | WEST, HENRY HARTLEY ..                       | { Epping. [Liverpool.]                 |  |
| 1884 May 6.                          | WEST, JOHN .. .. .                           | 5 Castle Street, Liverpool. (Referee,  |  |
| 1872 May 14.                         | * WESTERN, CHARLES ROBERT ..                 | { Barfield House, Didsbury.            |  |
| 1879 May 27.                         |  | { Broadway Chambers, Westminster,      |  |
| 1877 Apr. 10.                        | } WESTHOFEN, WILHELM .. ..                   | { S.W. (Donbowes, London. West-        |  |
| 1896 Feb. 11.                        |  | { minster 199.)                        |  |
| † 1878 Jan. 15.                      | WESTLAND, DAVID MONRO ..                     | P.W.D., Cape Town, C.C.                |  |
| 1861 May 28.                         | { WESTMACOTT, PERCY GRAHAM                   | { 135 George Street, Edinburgh.        |  |
| 1889 Feb. 5.                         |  | { Benwell Hill, Newcastle-on-Tyne.     |  |
| 1891 May 5.                          | { BUCHANAN .. .. .                           | { (Elswick, Newcastle. 8.)             |  |
| † 1867 Dec. 3.                       | WESTON, EDMUND BROWNELL                      | Providence, Rhode Island, U.S.         |  |
| t † 1872 Apr. 9.                     | WHEELER, WILLIAM HENRY ..                    | Boston, Lines. (Wheeler, Boston.)      |  |
| 1878 Apr. 30.                        | WHIPHAM, ARTHUR HENRY ..                     | Queen's Square, Middlesbrough.         |  |

| Date of Election<br>and of Transfer. | MEMBERS.   |   |
|--------------------------------------|--|---|
| 1882 Dec. 5.                         | WHITAKER, WILLIAM BUTLER   | { 3636 Calle Rivadavia, Buenos Aires.                                       |
| 1896 May 5.                          |  |   |
| 1879 Dec. 2.                         |  |   |
| 1892 Feb. 16.                        |  |   |
| * { 1881 Feb. 1.                     | WHITCOMBE, CHARLES PALMER  | { c.o. F. N. Whitcombe, 18 Bishops-gate Avenue, E.C.                        |
| 1895 May 21.                         |  |   |
| 1862 May 6.                          |  |   |
| 1883 May 1.                          |  |   |
| 1895 Jan. 15.                        | * WHITE, GEORGE GILBERT  | .. Hoshangabad, C.P., India.  |
| 1875 May 11.                         | WHITE, GUILLERMO   | { c.o. Torromé, Son, & Co., 4 Jeffrey's Square, St. Mary Axe, E.C.          |
| 1885 Feb. 3.                         |  |   |
| 1870 Jan. 11.                        |  |   |
| 1872 Feb. 6.                         |  |   |
| 1879 Jan. 14.                        | WHITE, ROBERT  | .. .. { 66 Belsize Park Gardens, N.W. (Brentesia, London.)                  |
|                                      | WHITE, WILLIAM HENRY   | .. Town Hall Buildings, Oxford.   |
| * 1882 Feb. 7.                       | { WHITE, Sir WILLIAM HENRY, K.C.B., D.Sc. (Cantab.), L.L.D. (Glas.), F.R.S. (Vice-President) .. .. } | Admiralty, Spring Gardens, S.W.   |
| 1882 Dec. 5.                         | * WHITEHOUSE, GEORGE   | .. .. Uganda Ry., Mombasa, East Africa.                                     |
| 1892 Feb. 23.                        |  |   |
| 1866 Apr. 10.                        |  |   |
| 1874 Dec. 22.                        |  |   |
| * { 1874 May 5.                      | WHITING, JAMES EDWARD,   | { Consulting Engineer, Poona, India. (Nira, Bombay.)                        |
| 1891 Dec. 8.                         |  |   |
| 1885 May 5.                          |  |   |
| 1871 Apr. 4.                         |  |   |
| 1879 Dec. 23.                        | M.A. (Cantab.)   | .. .. .   |
| 1877 Feb. 6.                         | WHITLEY, HENRY MICHELL   | .. 11 Victoria Street, S.W.   |
| 1877 Oct. 30.                        |  |   |
| 1883 May 29.                         |  |   |
| 1890 May 20.                         |  |   |
| 1889 Feb. 5.                         | WHITTEMORE, DON JUAN   | .. Milwaukee & St. Paul Ry., Chicago, [U.S.]                                |
| 1892 Apr. 5.                         | WHITTLE, JAMES HENRY   | .. 9 New Broad Street, E.C.   |
| 1881 Jan. 11.                        | WHITTY, IRWINE JOHN  | { 25 Clarendon Road, Redland, Bristol. [Leith.]                             |
| 1890 Nov. 11.                        |  |   |
| 1891 May 5.                          |  |   |
| 1891 Dec. 8.                         |  |   |
| 1891 May 5.                          | WHYTE, PETER   | .. .. Dock Office, Leith. (Whyte, Docks, Oakdene, Northwood, Rickmansworth. |
| 1873 May 20.                         | WICKES, THOMAS HAINES  | .. { Well House Foundry, Leeds.   |
| 1880 Feb. 24.                        | WICKSTEED, JOSEPH HARTLEY  | { Weetwood, Leeds.  |
| * { 1885 Dec. 1.                     | WIGRAM, REGINALD   | { City Surveyor, Bower Spring, Sheffield.                                   |
| 1887 Apr. 19.                        |  |   |
| 1895 Mar. 5.                         |  |   |
| 1895 Mar. 5.                         |  |   |
| * { 1847 June 29.                    | WILCOX, ERNEST SHEPLEY   | { Wirral Railway, New Brighton, Cheshire.                                   |
| 1864 Jan. 19.                        |  |   |
| 1891 Apr. 7.                         |  |   |
| 1891 Apr. 7.                         |  |   |
| * 1860 Feb. 7.                       | { WILLIAMS, Sir EDWARD LEADER (Member of Council.)   | The Oaks, Altrincham, Cheshire.   |
| 1879 Mar. 4.                         | { WILLIAMS, GEORGE PHIPPS, B.A. (Cantab.)  | .. .. Upper Riccarton, Christchurch, N.Z.                                   |
| 1878 Feb. 5.                         | WILLIAMS, JOHN AVERY BRANTON   | { Lingfield Grange, Branksome Park, Bournemouth.                            |
| 1855 May 22.                         | WILLIAMS, MORGAN BRANSBY   | Killay House, Swansea.  |
| 1861 Jan. 15.                        |  |   |
| 1890 Dec. 2.                         |  |   |
| 1898 Feb. 22.                        |  |   |
| 1888 Jan. 10.                        | WILLIAMS, WILLIAM HUGH   | .. L. & N. W. Ry., Watford.   |
| 1896 Dec. 22.                        | WILLOX, WILLIAM,   | { Hazleton, Merstham, Surrey.   |
| 1867 May 1.                          |  |   |
| 1888 Jan. 17.                        |  |   |
| 1897 Feb. 2.                         |  |   |
|                                      | M.A. (Aberd.)  | .. .. .   |
|                                      | * WILMER, HORACE   | .. .. . G. E. Ry., Stratford.   |
|                                      | WILSON, ALEXANDER BASIL  | .. Hollywood, co. Down.   |



| Date of Election<br>and of Transfer. |               | MEMBERS.   |  |
|--------------------------------------|---------------|--|--|
| 1875 Dec. 7.                         | 1890 Mar. 25. | WILSON, ARTHUR ROSS .. ..                              | Binsur, Almora, N.W.P., India.                                 |
| t ✕ { 1863 Jan. 13.                  | 1872 Mar. 19. | WILSON, GEORGE .. ..                                   | 59 Warwick Road, Ealing, W.                                    |
| 1886 Apr. 6.                         | 1897 Jan. 12. | WILSON, GEORGE .. ..                                   | { Wyberton, Park Hill Road,<br>Croydon.                        |
| 1860 Feb. 7.                         | 1877 May 29.  | WILSON, JAMES .. ..                                    | Rock Houses, Tenby.  |
| 1888 Mar. 6.                         |               | WILSON, JAMES .. ..                                    | 72A George Street, Edinburgh.                                  |
| 1878 Mar. 5.                         |               | WILSON, JOHN .. ..                                     | { G. E. Ry., Liverpool St., E.C.<br>(Wilson, Eastern, London.) |
| 1870 Dec. 6.                         |               | WILSON, JOHN HATTON .. ..                              | 14 Roseville St., St. Helier's, Jersey.                        |
| ✕ 1882 Nov. 7.                       |               | WILSON, JOSEPH MILLER .. ..                            | Drexel Building, Philadelphia, U.S.                            |
| 1869 Feb. 2.                         |               | WILSON, JOSEPH WILLIAM .. ..                           | South Tower, Crystal Palace, S.E.                              |
| 1879 Jan. 14.                        |               | *WILSON, MAURICE FITZ-<br>GERALD .. ..                 | { Ennismore House, Salisbury Road,<br>Dover.                   |
| 1884 Feb. 5.                         |               | WILSON, ROBERT .. ..                                   | { 7 St. Andrew's Place, Regent's Park,<br>N.W.                 |
| 1875 Dec. 7.                         |               | WILSON, ROBERT EDWARD .. ..                            | 8 Delahay St., Westminster, S.W.                               |
| 1882 May 23.                         |               | WILSON, ROBERT EDWARD .. ..                            | 8 Delahay St., Westminster, S.W.                               |
| 1876 Apr. 4.                         |               | WILSON, WALTER HENRY .. ..                             | Stranmillis, Belfast.  |
| ✕ 1883 Nov. 13.                      |               | WILSON, WALTER STUART .. ..                            | 175 Hope Street, Glasgow.                                      |
| 1891 Dec. 1.                         |               | WILSON, WESLEY WILLIAM .. ..                           | St. James' Gate, Dublin.                                       |
| ✕ 1886 Dec. 7.                       |               | *WILSON, WILLIAM JOHN, F.C.H.                          | Ministry of Public Works, Cairo.                               |
| 1893 May 16.                         |               | WINBOLT, JOHN STEDDY, }<br>M.A. (Cantab.) .. ..        | { 31 Lansdowne Road, Tunbridge<br>Wells.                       |
| 1878 May 7.                          |               | WINGATE, ROBERT .. ..                                  | Ferro Carril Central, Monte Video.                             |
| 1890 May 20.                         |               | WINGFIELD, CHARLES HUM-<br>PHREY .. ..                 | { Cleveland House, Chiswick Lane,<br>Chiswick.                 |
| 1869 May 4.                          |               | WINNER, SIDNEY BEAUFOY .. ..                           | { Albert Chambers, Albert Square,<br>Manchester.               |
| 1887 Apr 26.                         |               | WINTER, THOMAS BRADBURY .. ..                          | Broomfield, Caterham, Surrey.                                  |
| 1866 Apr. 10.                        |               | WISE, BERKELEY DEANE .. ..                             | Northern Counties Ry., Belfast.                                |
| 1877 Jan. 16.                        |               | WOLFE, JOHN EDWARD .. ..                               | { Water Co., 16 Fawcett Street, Snn-<br>derland                |
| 1881 Apr. 5.                         |               | WOOD, CHARLES .. ..                                    | Tees Ironworks, Middlesbrough.                                 |
| ✕ 1896 Apr. 21.                      |               | WOOD, JOHN .. ..                                       | 18 Bank Street, Carlisle.                                      |
| 1879 Feb. 4.                         |               | WOOD, JOHN THOMAS .. ..                                | 3 Cook Street, Liverpool.                                      |
| 1868 May 5.                          |               | WOOD, Sir LINDSAY, Bart. .. ..                         | Southill, Chester-le-Street.                                   |
| 1892 Dec. 6.                         |               | WOOD, WALTER EDMUND .. ..                              | Dennis, Coatham, Redcar.                                       |
| 1880 Feb. 3.                         |               | WOODALL, CORBET .. ..                                  | { 9 Bridge Street, Westminster, S.W.<br>(Westminster 160.)     |
| ✕ 1892 Apr. 5.                       |               | WOODALL, HENRY .. ..                                   | 7 South Parade, Llandudno.                                     |
| 1872 Dec. 3.                         |               | WOODCOCK, WILLIAM HUGH .. ..                           | 2 Great George Street, S.W.                                    |
| ✕ 1877 Oct. 30.                      |               | WOODFIELD, MATTHEW .. ..                               | 42 Castletown Road, S.W.                                       |
| 1886 Mar. 2.                         |               | WOODS, EDWARD (Past-<br>President, Member of Council)  | 8 Victoria Street, S.W. (Boscage,<br>London.)                  |
| T ✕ 1891 Mar. 3.                     |               | WOODS, EDWARD HENRY .. ..                              | { 8 Victoria Street, S.W. (Fundum,<br>London.)                 |
| 1865 Apr. 4.                         |               | WORSDELL, THOMAS WILLIAM .. ..                         | Stoneycroft, Arnside, Carnforth.                               |
| t ✕ { 1881 Feb. 1.                   | 1893 Nov. 14. | WORTH, JOHN EDWARD .. ..                               | { County Council, Spring Gardens,<br>S.W.                      |
| 1889 Apr. 23.                        |               | WORTHINGTON, SAMUEL BARTON .. ..                       | Mill Bank, Bowdon, Cheshire.                                   |
| ✕ 1861 Jan. 8.                       |               | *WORTHINGTON, WILLIAM BAR-<br>TON, B.Sc. (Lond.) .. .. | { Chief Engineer, L. & Y. Ry.,<br>Manchester.                  |
| 1880 Jan. 13.                        |               | WRAGGE, EDMUND .. ..                                   | { Great Central Ry., 210 Marylebone<br>Road, N.W.              |
| ✕ 1876 Feb. 1.                       |               | *WRENCH, JOHN MERVYN .. ..                             | Midland Ry., Jhansi, N.W.P., India.                            |
| 1882 Feb. 7.                         |               |  |  |

| Date of Election<br>and of Transfer. | MEMBERS.                           |  |
|--------------------------------------|------------------------------------|--|
| 1884 Mar. 4.                         | WRIGHT, JAMES WALKER ..            | { Fairview, De Pary's Avenue, Bedford.                             |
| 1875 Mar. 2.                         | WRIGHT, JOHN .. .. .               | { Teign View, Newton Abbot.  |
| 1885 Apr. 14.                        | WRIGHT, <i>Hon.</i> JOHN ARTHUR    | { Government Resident, Albany,<br>Western Australia.               |
| 1884 Mar. 4.                         | WRIGHT, WILLIAM .. .. .            | { Ashridge House, Spalding, Lincs.                                 |
| 1859 Jan. 11.                        | WRIGHT, WILLIAM BARTON ..          | { Cambridge House, Dover.  |
| 1869 Dec. 7.                         | C ✠ {                              | WRIGHTSON, THOMAS .. .. . 5 Victoria Street, S.W.                  |
| 1869 Dec. 7.                         |                                    |  |
| 1877 May 29.                         |                                    |  |
| 1895 Apr. 2.                         | WRIGHTSON, WALSH .. .. .           | { Marlborough Mansions, Victoria<br>Street, S.W.                   |
| 1869 Dec. 7.                         | YARROW, ALFRED FERNANDEZ           | { Isle of Dogs, Poplar, E. (Yarrow.<br>London. Eastern 114.)       |
| 1879 Nov. 4.                         |                                    |  |
| 1876 May 2.                          | YOCKNEY, SYDNEY WILLIAM ..         | { 53 Victoria Street, S.W. (Yockney,<br>London.)                   |
| ✠ 1872 Apr. 9.                       | YOUNG, EDWARD WILLIAM ..           | { G.P.O., Sydney, N.S.W.   |
| 1865 Apr. 4.                         | YOUNG, JAMES .. .. .               | { Salroyd, Thornlaw Road, West<br>Norwood, S.E. [S.W.]             |
| 1884 Dec. 23.                        |                                    |  |
| 1886 May 4.                          | YOUNG, JAMES .. .. .               | { Grindlay & Co., 55 Parliament St..                               |
| 1876 Dec. 5.                         | { YOURDI, GEORGE NICHOLAS,         | { Cwm Elan, Rhayader, Radnorshire.                                 |
| 1884 Jan. 8.                         | { B.A.I. ( <i>Dubl.</i> ) .. .. .  |  |
| 1884 Mar. 4.)                        | ZACHARIASEN, LARS SEVERIN ..       | 5 Victoria Street, S.W.  |
| 1896 Nov. 16.)                       |                                    |  |
| 1887 May 24.                         | { ZEAL, <i>Sir</i> WILLIAM AUSTIN, | { 5 St. James's Buildings, William<br>Street, Melbourne, Victoria. |
|                                      | { K.C.M.G. .. .. .                 |  |
| 1895 May 21.                         | ZIFFER, EMANUEL ALOIS ..           | { 1 Giselastrasse 9, Vienna.                                       |

Total number of Members .. .. 1,946.



## ASSOCIATE MEMBERS.

[Assoc. M. Inst. C.E.]

N.B. *Those elected prior to the 2nd of December, 1878, have been transferred into this class by the Council.*

| Date of Election. |  | ASSOCIATE MEMBERS.   |  |
|-------------------|--|--|--|
| 1880 May 4.       | ABBEY, JOE BURMAN .. ..                                  | 34A New Street, Huddersfield.                                |  |
| 1893 May 2.       | ABBOT, FREDERICK WILLIAM                                 | 620 Chestnut Street, St. Louis, Mo., U.S.                    |  |
| 1891 Dec. 1.      | *ABBOTT, GEORGE HERBERT ..                               | Waterworks Office, Southport.                                |  |
| 1891 Dec. 1.      | *ABBOTT, JAMES HARTLEY ..                                | 5 Thornfield, Ashton Rd., Lancaster.                         |  |
| 1885 Dec. 1.      | *ABBOTT, WILLIAM SUTHERLAND                              | Lime Villa, South Woodford, Essex.                           |  |
| ✠ 1894 Jan. 9.    | ABELL, WILLIAM PRICE .. ..                               | Castle Hill, Duffield, Derby.                                |  |
| 1880 Mar. 2.      | *ABERCROMBIE, FRANCIS .. ..                              | 23 Upper Wimpole Street, W.                                  |  |
| 1877 Feb. 6.      | ACKERMANN, ADOLPHUS WILLIAM                              | P.O. Box 426, Cape Town, C.C.                                |  |
| 1892 Dec. 6.      | *ACKERMANN, ALFRED SEABOLD                               | 53 Victoria Street, S.W.                                     |  |
|                   | ELI .. .. .  |  |  |
| 1895 Dec. 3.      | ACKLAND, CHARLES GEORGE                                  | Catteral House, Chestnut Avenue, Hampton-on-Thames.          |  |
|                   | HEBER .. .. .  |  |  |
| 1897 Mar. 2.      | ACKLAND, THOMAS JOHN HENRY                               | 28 Cleveland Gardens, Barnes, S.W.                           |  |
| 1877 Dec. 4.      | *ACLAND, LAWFORD MACLEAN..                               | P.W.D., Giant's Tank, Mannar, Ceylon.                        |  |
| 1889 Feb. 5.      | *A COURT, SIDNEY .. .. .                                 | 75 Victoria Street, S.W. (Tegatus, London.)                  |  |
| 1897 Mar. 2.      | *ACTON, EDWARD VINCENT ..                                | P.W. Office, Kingston, Jamaica.                              |  |
| 1877 Dec. 4.      | ACTON, WILLIAM RICHARD ..                                | Moss Side, near Manchester.                                  |  |
| 1894 May 22.      | {ADAIR, GERALD ARTHUR, B.A.I. (Dubl.) .. .. .}           | 65 Lower Mount Street, Dublin.                               |  |
| 1887 Mar. 1.      | *ADAM, JAMES, F.C.H. .. ..                               | King, King & Co., Bombay.                                    |  |
| 1891 Dec. 1.      | *ADAM, ROBERT .. .. .                                    | {S. Pearson & Son, Apartado de Correo 58, Vera Cruz, Mexico. |  |
| 1879 Feb. 4.      | ADAMES, CORNELIUS GEORGE ..                              | Avondale, London Rd., Portsmouth.                            |  |
| 1893 Apr. 11.     | ADAMS, ALEXANDER .. .. .                                 | {Finsbury, Dulwich Hill, Sydney, N.S.W.                      |  |
| 1894 May 1.       | ADAMS, BURNET .. .. .                                    | Box 192, Klerksdorp, Transvaal.                              |  |
| 1892 Mar. 1.      | *ADAMS, FREDERICK .. .. .                                | Jalapa, Vera Cruz, Mexico. [Trent.                           |  |
| 1883 Jan. 9.      | *ADAMS, THOMAS .. .. .                                   | Eng.'s Office, N.Staffs. Ry., Stoke-on-                      |  |
| 1887 May 3.       | ADAMSON, MICHAEL .. .. .                                 | 16 Stopford Road, Plaistow, E.                               |  |
| 1889 Apr. 2.      | ADCOCK, CHARLES .. .. .                                  | Gnildford, Western Australia.                                |  |
| 1889 Dec. 3.      | *ADDIS, FREDERICK HENRY ..                               | Mhow, Central India.   |  |
| ✠ 1880 Dec. 7.    | *ADDISON, PERCY LEONARD ..                               | Park House, Bigrigg, Cumberland.                             |  |
| 1896 Dec. 1.      | ADIE, ALFRED EDMOND .. ..                                | P.W.D., Jackson House, Calcutta.                             |  |
| 1895 May 21.      | AGABEG, FRANK JOSEPH .. ..                               | Apar & Co., Sitarampore, Bengal.                             |  |
| 1897 Feb. 2.      | AHLERS, RUDOLPH OSWALD ..                                | {Balaghat Gold Mine, Oorgaum, Mysore.                        |  |
| 1890 Feb. 4.      | AINSWORTH, ALFRED EDWARD                                 | Midland Ry., Cudworth, Barnsley.                             |  |
| ✠ 1893 Dec. 5.    | AIRKEN, THOMAS .. .. .                                   | County Buildings, Cupar, Fife, N.B.                          |  |
| 1887 May 24.      | *AKBAR, ALI .. .. .                                      | P.W.D., Surat, Bombay.                                       |  |
| 1883 May 29.      | *ALBRIGHT, JOHN FRANCIS ..                               | 23 Michael's Grove, Brompton, S.W.                           |  |
| 1892 Dec. 6.      | {*ALBUQUEQUE-MARANHAO, AF- FONSO DE OLIVEIRA DE .. .. .} | Rio Grande do Norte, Natal Brazil.                           |  |
| 1883 Mar. 6.      | {*ALDRIDGE, JAMES GEORGE WILLCOX .. .. .}                | 9 Victoria Street, S.W.                                      |  |
| 1894 May 22.      | ALEXANDER, EDWARD SEYMOUR                                | Nilgiri Ry., Coonoor, India.                                 |  |
| 1896 Dec. 1.      | {ALEXANDER, FRANCIS GEORGE, B.A.I. (Dubl.) .. .. .}      | 5 Glenada Terrace, Newcastle, co. Down.                      |  |
| 1894 Dec. 4.      | ALEXANDER, JOHN HENRY ..                                 | Grindlay & Co., Bombay.                                      |  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |   |   |
|-----|---------------|---|---|
|     | 1892 May 3.   | *ALEXANDER, WILLIAM .. ..                             | { 49 Amesbury Avenue, Streatham Hill, S.W. [Glasgow.                |
|     | 1895 Dec. 3.  | *ALEXANDER WILLIAM .. ..                              | Caledonian Ry., 3 Germiston St.,                                    |
|     | 1892 Feb. 2.  | *ALFORD, JOHN SIDNEY .. ..                            | 46 Queen Anne's Gate, S.W.  |
|     | 1889 Dec. 3.  | *ALLAN, JOHN FREDERICK .. ..                          | Apartado de Correo 121, Mexico.                                     |
| ✱   | 1890 May 20.  | ALLAN PERCY .. ..                                     | Roads & Bridges Dept., Sydney, N.S.W.                               |
|     | 1879 Mar. 4.  | ALLAN, THOMAS ALEXANDER ..                            | { Gibbs, Bright & Co., Melbourne, Victoria.                         |
|     | 1878 May 7.   | ALLEN, ALFRED .. ..                                   | { 47 Victoria Street, S.W. (Westminster 402.)                       |
|     | 1898 Mar. 1.  | ALLEN, FRANCIS WILLIAM .. ..                          | Boro' Surveyor's Office, Leicester.                                 |
|     | 1883 Feb. 6.  | ALLEN, GEORGE THOMAS .. ..                            | 56 Windmill Street, Gravesend.                                      |
|     | 1896 Mar. 3.  | *ALLEN, GORDON .. ..                                  | 12 King's Road, Wimbledon, S.W.                                     |
|     | 1893 Feb. 7.  | *ALLEN, HERBERT EDWARD .. ..                          | Rathvene, Penarth, Cardiff.   |
|     | 1893 Dec. 5.  | ALLEN, MARCUS .. ..                                   | The Nest, Knutsford, Cheshire.                                      |
| ✱   | 1889 Dec. 3.  | ALLEN, PARKER ROSCOE .. ..                            | Arbutnot & Co., Madras.   |
| ✱   | 1881 Apr. 5.  | *ALLEN, PERCY RUSKIN .. ..                            | Woodberry Hill, Loughton, Essex.                                    |
|     | 1898 Feb. 1.  | ALLEN, RAYMOND CECIL .. ..                            | 12 King's Road, Wimbledon, S.W.                                     |
|     | 1892 May 24.  | ALLEN, RICHARD WILLIAM .. ..                          | Queen's Works, Bedford.   |
|     | 1885 Dec. 1.  | ALLEN, WILLIAM MILWARD .. ..                          | 199 High St., Chorlton, Manchester.                                 |
|     | 1885 Dec. 1.  | { *ALLMAN, FRANÇOIS ALBERT LOUIS .. ..                | { Vassiljewskij Ostroff 19, Line No. 12, St. Petersburg.            |
|     | 1897 Feb. 2.  | ALLISON, HARRY PIGOTT .. ..                           | F. & C. Osler, Calcutta. [Francisco, U.S.                           |
|     | 1893 Dec. 5.  | ALLISON, JOHN LOGIE .. ..                             | 1207 Claus Spreckels Building, San                                  |
|     | 1882 Feb. 7.  | { ALLMANN, CLEMENS XAVER JULIUS .. ..                 | { Westgate, Vine Court Road, Sevenoaks.                             |
| m   | 1895 Dec. 3.  | *ALLOTT, HENRY NEWMARCH ..                            | 46 Brown Street, Manchester.  |
|     | 1891 Jan. 13. | *ALLPORT, DOUGLAS, JUN. ..                            | 6 Newton Grove, Chiswick.   |
|     | 1880 Apr. 6.  | ALLSOPP, JOHN .. ..                                   | Workshop.   |
|     | 1894 Dec. 4.  | *ALLUM, FREDERIC WARNER ..                            | M. K. Ry., Maymyo, Upper Burma.                                     |
|     | 1897 Jan. 12. | AMAN, FREDERICK THEODOR ..                            | City Engineer's Office, Liverpool.                                  |
|     | 1892 Mar. 1.  | AMES, ERNEST FITZROY .. ..                            | 31 Ovington Square, S.W.  |
|     | 1885 Apr. 14. | AMOR, JUSTIN VICTOR WILFRID                           | 10 Victoria Street, S.W.  |
|     | 1893 Mar. 7.  | { *AMPILLETT, EDWARD ALBIN, B.E. (Sydney) .. ..       | { Water Conservation Dept., Wentworth, Darling River, N.S.W.        |
|     | 1890 May 6.   | ANDERSON, ARTHUR ROBERT ..                            | 23 Queen's Gardens, Poona, Bombay.                                  |
| C ✱ | 1883 Dec. 4.  | *ANDERSON, EDWARD WILLIAM                             | Roydon Lodge, Erith, Kent.  |
|     | 1892 May 24.  | ANDERSON, FRANCIS PHILIP ..                           | King, Hamilton & Co., Calcutta.                                     |
|     | 1883 Dec. 4.  | ANDERSON, GEORGE GRAY ..                              | { 774 Equitable Building, Denver, Colo., U.S. (Irrigation, Denver.) |
|     | 1892 Mar. 1.  | ANDERSON, GEORGE WILLIAM                              | Gasworks, Whyteleafe, Surrey.                                       |
|     | 1885 May 19.  | *ANDERSON, HERBERT WILLIAM                            | Halling, near Rochester.  |
|     | 1889 May 7.   | ANDERSON, JAMES .. ..                                 | Box 166, Johannesburg, Transvaal.                                   |
|     | 1881 Apr. 5.  | ANDERSON, JOHN .. ..                                  | 160 High Street, Montrose.  |
|     | 1894 Dec. 4.  | *ANDERSON, JOHN REID .. ..                            | 21 Great George Street, S.W.  |
|     | 1897 Mar. 2.  | ANDERSON, JOHN WEMYSS ..                              | University College, Liverpool.                                      |
|     | 1890 Dec. 2.  | { ANDERSON, JOSHUA THOMAS NOBLE, B.E. (Royal) .. ..   | { 49 Elizabeth Street, Melbourne, Victoria.                         |
|     | 1893 Jan. 10. | *ANDERSON, PIERCE SEVERN ..                           | Dredging Co., Cairo.  |
|     | 1889 Dec. 3.  | *ANDERSON, ROBERT BRUCE ..                            | 35A Great George Street, S.W.                                       |
|     | 1897 Mar. 2.  | *ANDERSON, ROBERT HAY ..                              | { San Juan de Letran 13, Apartado 863, Mexico City.                 |
|     | 1887 Feb. 1.  | { *ANDERSON, ROBERT OGILVIE NEWTON, B.A.I. (Dubl.) .. | { State Engineer's Dept., Perak, S.S.                               |
|     | 1881 May 3.   | ANDERSON, ROBERT SANDERS ..                           | County Surveyor, Peebles, N.B.                                      |
|     | 1884 Dec. 2.  | ANDERSON, THOMAS .. ..                                | 145 Blythswood Drive, Glasgow.                                      |
|     | 1896 Dec. 1.  | { ANDERSON, WALTER VICKERSTAFF .. ..                  | { Municipal Offices, Cheltenham.                                    |
|     | 1879 Feb. 4.  | ANDERSON, WILLIAM .. ..                               | City Engineer, Auckland, N.Z.                                       |
|     | 1875 May 11.  | ANDRÉ, GEORGE GUILLAUME ..                            | { Clyde Mills Co., Glenlean, Sandbank, Greenock, N.B.               |
|     | 1891 Dec. 1.  | ANDREONI, LUIS .. ..                                  | { Central Uruguay Ry., Monte Video, Uruguay.                        |

| Date of Election.       |  | ASSOCIATE MEMBERS.  |   |
|-------------------------|--|---|---|
| 1894 Dec. 4.            |  | { ANDREWS, GEORGE SAMUEL<br>BURT .. .. . }                          | Box 1049, Johannesburg, Transvaal.                        |
| 1885 Apr. 14.           |  | { ANDREWS, JOSEPH DEVONPORT<br>FINNEY .. .. . }                     | 45 Fulham Park Gardens, S.W.<br>(Kensington 329.)         |
| 1889 Dec. 3.            |  | { ANDREWS, SAMUEL GEORGE<br>THORNTON .. .. . }                      | Cefn Eithen, Swansea.                                     |
| 1888 Dec. 4.            |  | ANDREWS, WILLIAM WALLACE  | Port Darwin, N.T., South Australia.                       |
| 1898 Apr. 5.            |  | ANGEL, ROBERT JOHN .. ..  | Boro' Engineer's Office, Walsall.                         |
| 1883 Mar. 6.            |  | ANGELL, JOHN ALEXANDER ..   | District Council, Beckenham.                              |
| 1886 Dec. 7.            |  | ANGOVE, WILLIAM HENRY ..  | Albany, Western Australia                                 |
| 1861 Dec. 3.            |  | ANLEY, JAMES LEMPRIERE ..   | Oakley, Cheltenham.                                       |
| 1896 Dec. 1.            |  | ANNAN, WILLIAM CRAIG ..   | B. & N. W. Ry., Benares, India.                           |
| 1885 Dec. 1.            |  | ANNINGSON, WILLIAM PHILLIPSON                                       | 139 East India Road, E.                                   |
| 1892 Dec. 6.            |  | ANSON, ERNEST, M.A. ( <i>Oxon.</i> )                                | King, Hamilton & Co., Calcutta.                           |
| 1875 Dec. 7.            |  | { ANSON, FREDERICK HENRY,<br>M.A. ( <i>Oxon.</i> ) .. .. . }        | 15 Dean's Yard, S.W.                                      |
| 1875 Feb. 2.            |  | ANSTEY, HARRY .. .. .   | R. H. Borradaile, Tandridge, Oxted.                       |
| 1870 Apr. 5.            |  | ANSTIE, JOHN, B.A. ( <i>Lond.</i> ) ..                              | 17 Victoria Street, S.W.                                  |
| 1892 Feb. 2.            |  | *ANTHONY, ALBERT EVERSHED   | 35 East Street, Brighton.                                 |
| 1891 Dec. 1.            |  | *ANTHONY, CHARLES, Jun. ..  | Casilla 1045, Buenos Aires.                               |
| 1881 Apr. 5.            |  | ANTILL, BENJAMIN HILLIER ..   | 12 Queen Anne's Gate, S.W.                                |
| 1898 Apr. 5.            |  | *ANZORENA, JACINTO .. ..  | Mendoza, Argentina.                                       |
| 1890 Dec. 2.            |  | *APPLEBY, FRANK JAMES ..  | London Engine Works, Leicester.                           |
| M +<br>w + 1896 Dec. 1. |  | *APPLEBY, LEONARD HODGSON   | 22 Walbrook, E.C.   |
| 1890 Apr. 1.            |  | *APPLEBY, PERCY VAVASSEUR ..  | 22 Walbrook, E.C.   |
| 1897 Apr. 6.            |  | ARBUTHNOTT, DONALD STEWART  | Dunosdale, Inverness, N.B.                                |
| 1890 May 20.            |  | ARCHER, OAKELEY .. .. .   | City Surveyor, Christchurch, N.Z.                         |
| 1883 May 1.             |  | ARGENTI, EDUARDO .. .. .  | Calle de Alarcon 1, Madrid.                               |
| 1891 Feb. 3.            |  | ARMER, JAMES .. .. .  | 11 Queen Street Place, E.C.                               |
| 1882 May 23.            |  | ARMISTEAD, RICHARD .. ..  | Main Street, Bingley.                                     |
| 1890 Apr. 1.            |  | ARMITAGE, CHARLES .. ..   | Gasworks, Lancaster.                                      |
| 1893 Feb. 7.            |  | { *ARMITAGE, FREDERICK RHODES,<br>B.A. ( <i>Cantab.</i> ) .. .. . } | Noan, Thurles, co. Tipperary.                             |
| 1894 Feb. 6.            |  | ARMSTRONG, CHARLES FREDERICK  | Egyptian Dredging Co., Cairo.                             |
| 1884 Dec. 2.            |  | { ARMSTRONG, LAWRENCE HEN-<br>NESSEY CLUBBY .. .. . }               | Holmwood, Happy Valley, Mus-<br>soorie, India.            |
| 1897 Apr. 6.            |  | ARMSTRONG, SAMUEL GEORGE  | Box 2139, Johannesburg, Transvaal.                        |
| 1891 Dec. 1.            |  | ARNAIL, THOMAS WILLIAM ..   | City Surveyor's Office, Birmingham.                       |
| 1878 Feb. 5.            |  | ARNEIL, JAMES ABRAM .. ..   | 57 Park Rd., Portwood, Southampton.                       |
| 1890 Dec. 2.            |  | ARNOLD, THOMAS .. .. .  | 19 John Street, Llanelli.                                 |
| 1891 Dec. 1.            |  | *ARNOT, ARTHUR JAMES .. ..  | Town Hall, Melbourne, Victoria.                           |
| 1891 May 12.            |  | AROCENA, CARLOS ALBERTO ..  | Calle de Piedras 163, Monte Video.                        |
| 1881 Feb. 1.            |  | ARROW, JAMES THOMAS .. ..   | { 8 Exchange Buildings, Kalgoorlie,<br>Western Australia. |
| 1876 Apr. 4.            |  | *ARTEAGA, RODOLFO DE .. ..  | 72 Calle Buenos Ayres, Monte Video.                       |
| 1881 Dec. 6.            |  | *ARTISTALL, SAMUEL GEORGE   | 28 Rialto Buildings, Chicago, U.S.                        |
| 1887 May 3.             |  | ASH, HERBERT RICHARD FRANCIS  | P.W.D., Amraoti, East Berar, India.                       |
| 1874 Apr. 14.           |  | ASHBURY, THOMAS .. .. .   | 17 St. Ann's Square, Manchester.                          |
| + 1885 Apr. 14.         |  | *ASHCROFT, ANDREW GEORGE ..   | 6 St. Margaret's Rd., Plumstead, S.E.                     |
| 1897 Feb. 2.            |  | ASHCROFT, EDGAR ARTHUR ..   | 13 Victoria Street, S.W.                                  |
| 1894 Feb. 6.            |  | ASHENDEN, PERCY .. .. .   | P.W.D., Cape Town, C.C.                                   |
| + 1873 May 6.           |  | *ASHHURST, FRANCIS HENRY ..   | Bhim Tal, Montpelier Rd., Ealing, W.                      |
| 1886 Apr. 6.            |  | *ASHPITEL, FRANCIS WILLIAM ..                                       | Parry & Co., Madras.                                      |
| + 1892 Dec. 6.          |  | { *ASHTON, HAROLD THOMAS,<br>M.Sc. ( <i>Victoria</i> ) .. .. . }    | Royal Laboratory, Woolwich.                               |
| 1890 Feb. 4.            |  | ASHWELL, HARRY .. .. .  | { South View, Doncaster Road,<br>Agbrigg, Wakefield.      |
| 1893 May 16.            |  | { *ASHWORTH, ARTHUR ALAN,<br>M.A. ( <i>Cantab.</i> ) .. .. . }      | N. E. Ry., Northgate, Darlington.                         |
| 1895 Dec. 3.            |  | *ASKWITH, JAMES EDGAR ..  | Waterworks, Consett, co. Durham.                          |
| 1892 Jan. 12.           |  | *ASLETT, ALFRED HENRY ..  | Engineer's Dept., E.I. Ry., Calcutta.                     |
| 1890 Dec. 2.            |  | ATHIM, SAMUEL .. .. .   | P.W.D., Bulandshahr, N.W.P., India.                       |
| 1886 Dec. 7.            |  | ATKINS, ALFRED .. .. .  | Wanganui, N.Z.  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|         |                                   |  |   |
|---------|-----------------------------------|--|---|
|         | 1885 Mar. 3.                      | ATKINSON, ALFRED .. ..   | Brigg, Lines.   |
| T t ✚   | 1891 Feb. 3.                      | *ATKINSON, CLAUDE WILLIAM ..                                     | Glendale, Woodland Place, Penarth,                                      |
|         | 1896 Apr. 14.                     | { ATKINSON, HERBERT JEFCOATE, }<br>B.A.I. ( <i>Dubl.</i> ) .. .. | Cwm Elan, Rhayader, Rads. [Cardiff.                                     |
|         | 1885 Feb. 3.                      | *ATKINSON, JOHN .. ..  | Boro' Surveyor, Stockport.  |
| T t m ✚ | 1888 Dec. 4.                      | *ATKINSON, LLEWELYN BIRCHALL ..                                  | 10 Westbourne Rd., Penarth, Cardiff.                                    |
|         | 1880 Dec. 7.                      | *ATKINSON, ROBERT PHILIP ..                                      | Ganges Canal, Bulandshahr, India.                                       |
|         | 1891 Jan. 9.                      | *ATLEY, GEORGE WILLIAM PERCY ..                                  | Great Central Ry., Manchester.  |
|         | 1888 Dec. 4.                      | ATTARD, WALTER .. ..   | 41 Strada Britannica Vittoriosa, Malta.                                 |
| ✚       | 1878 Feb. 5.                      | ATTWOOD, GEORGE .. ..  | { Durmast House, Burley, Ringwood,<br>Hants.                            |
|         | 1891 Mar. 3.                      | AUDEN, ARTHUR CHARLES ..   | Cordover Vicarage, Shrewsbury.  |
|         | 1884 Dec. 2.                      | AUSTEN, GEORGE IDEN .. ..  | Box 536, Nyack, N.Y., U.S.  |
|         | 1888 Mar. 6.                      | AUSTIN, ALBERT ERNEST ..   | { Crashley & Co., 67 Rua Ouvidor,<br>Rio de Janeiro.                    |
|         | 1873 Dec. 2.                      | *AUSTIN, EDWARD ROBERT ..  | Strangeways Ironworks, Manchester.                                      |
|         | 1896 May 19.                      | *AVELING, THOMAS CLIFFORD ..                                     | 68 Ryland Rd., Edgbaston, Birming-                                      |
|         | 1882 May 23.                      | AVELING, THOMAS LAKE ..  | Boley Hill House, Rochester. [ham.                                      |
|         | 1888 Dec. 4.                      | AYRES, PHILIP PORT .. ..   | Strafford Road, Acton, W.   |
|         | 1891 Dec. 1.                      | AYRES, THOMAS LAMBERT ..   | Post Office, Durban, Natal.   |
|         | 1879 Feb. 4.                      | { AYRTON, Professor WILLIAM }<br>EDWARD, F.R.S. .. ..            | Central Technical College, Exhi-<br>bition Road, S.W.                   |
| ✚       | 1885 Apr. 14.                     | AYTOUN, ROBERT .. ..   | Ashfield Villas, Stockton-on-Tees.                                      |
|         | 1886 Mar. 2.                      | *BAASS, JAMES RANSON .. ..                                       | { c.o. G. R. Baass, Round Hill House,<br>Sydenham, S.E.                 |
|         | 1894 Jan. 9.                      | *BABBIE, JOHN TAYLOR .. ..                                       | 37 Church Street, Dumbarton, N.B.                                       |
|         | 1887 Dec. 6.                      | *BACH, FREDERICK WILLIAM ..                                      | 25 Ainger Rd., Primrose Hill, N.W.                                      |
|         | 1890 Dec. 2.                      | BACH, JOHN EDMUND .. ..  | St. Nicholas Road, Barry, Cardiff.                                      |
|         | 1896 May 5.                       | BACON, ARTHUR DRAX .. ..   | Bromham Road, Bedford.  |
|         | 1897 Dec. 7.                      | { *BADCOCK, HUGH DANIEL, M.A. }<br>( <i>Oxon.</i> ) .. ..        | Sewage Pumping Station, Wey-<br>mouth.                                  |
|         | 1892 Dec. 6.                      | *BADER, FREDERICK ROBERT ..                                      | P.W.D., Hyderabad, Sind, India.   |
|         | 1888 Mar. 6.                      | *BAGGS, EDWIN .. ..  | 3 Walcot Parade, Bath.  |
|         | 1892 Dec. 6.                      | *BAGOT, LEWIS BROWN .. ..  | R.E. Office, Curepipe, Mauritius.                                       |
|         | 1886 Apr. 6.                      | { *BAGSHAW, FREDERICK THEO- }<br>DORE .. ..                      | City Hall, Winnipeg, Canada.  |
|         | 1887 May 24.                      | BAILES, WALTER HENRY ..  | { L. B. & S. C. Ry., London Bridge,<br>S.E.                             |
|         | 1894 Mar. 6.                      | *BAILEY, ARTHUR STOWEY ..  | Loco. Dept., E.I. Ry., Jamalpur, India.                                 |
|         | 1889 Dec. 3.                      | BAILEY, FRANK .. ..  | { Metropolitan Electric Supply Co.,<br>17 South St., Manchester Sq., W. |
|         | 1892 Apr. 5.                      | *BAILEY, STANLEY CLAUDE ..                                       | 32 Dewhurst Rd., W. Kensington, W.                                      |
|         | 1875 Dec. 7.                      | BAILEY, WILFRED .. ..  | Sunny Lawn, Worthing.   |
|         | 1889 Mar. 5.                      | *BAILLIE, JAMES PICTON ..  | Engineering Co., Cardigan.  |
|         | 1877 Feb. 6.                      | BAIN, THOMAS CHARLES JOHN ..                                     | Woodside, Rondebosch, Cape Town.  |
|         | 1887 Dec. 6.                      | BAIRD, FRANK OSBORNE ..  | Murray Lodge, Portobello, N.B.  |
|         | 1881 Dec. 6.                      | *BAKER, CHARLES JOHN SEYMOUR ..                                  | 47 Redcliffe Square, S.W.   |
|         | 1889 Jan. 8.                      | *BAKER, EARNEST WHEATSTONE ..                                    | O. Vidler, High Street, Rye, Sussex.                                    |
|         | 1882 May 23.                      | *BAKER, EDWARD .. ..   | { Stoneleigh, Eastern Avenue, Read-<br>ing. (Baker, Gas, Reading.)      |
|         | 1892 Dec. 6.                      | *BAKER, JOHN .. ..   | High Street, Slough.  |
|         | 1894 Dec. 4.                      | { BAKER, TOM WILLIAM, }<br>B.A. ( <i>Cantab.</i> ) .. ..         | Broad Street House, E.C.  |
| ✚       | { 1841 May 11. }<br>1867 Mar. 26. | { BAKER, WILLIAM LEWIS .. }<br>.. ..                             | { 3 Hillier Road, Wandsworth Common,<br>S.W. [Street, E.C.              |
| m ✚     | 1892 Dec. 6.                      | BALD, FRANCIS ALOYSIUS ..  | Eng.'s Office, G. E. Ry., Liverpool                                     |
|         | 1880 Apr. 6.                      | *BALDWIN, ARTHUR ERNEST ..                                       | Ernesbrake, Southend.   |
|         | 1897 Mar. 2.                      | *BALDWIN, LEONARD LUDOVIC ..                                     | Melbourne St., Coalville, Leicester.                                    |
|         | 1894 Jan. 9.                      | *BALE, GEORGE ROBERT .. ..                                       | 36 Eyot Gardens, Chiswick, W.   |
|         | 1881 Jan. 8.                      | BALE, MANFRED POWIS .. ..  | Appold Street, Finsbury, E.C.   |



| Date of Election. |               | ASSOCIATE MEMBERS.   |  |
|-------------------|---------------|--|--|
|                   | 1892 Mar. 1.  | *BALFOUR, DAVID, Jun. . . .                                | { 3 St. Nicholas Buildings, Newcastle-on-Tyne.               |
|                   | 1892 Dec. 6.  | *BALL, BENJAMIN . . . .                                    | Boro' Engineer, Nelson, Lanca.                               |
|                   | 1895 Mar. 5.  | BALL, GEORGE . . . .                                       | Urban District Council, Bexhill.                             |
| m ✕               | 1892 May 24.  | *BALL, JAMES BENJAMIN . . . .                              | 84 Mount View Rd., Stroud Green, N.                          |
|                   | 1874 Jan. 13. | { *BAMBER, ARTHUR LLOYD<br>COCHRANE . . . . . }            | Waresly Lodge, Cheltenham.                                   |
|                   | 1892 May 24.  | *BAMFORD, CHARLES FREDERICK                                | Assam-Bengal Ry., Shillong, Assam                            |
|                   | 1897 Mar. 2.  | { BAMFORD, HARRY,<br>M.Sc. (Victoria). }                   | University, Glasgow.   |
|                   | 1891 Mar. 3.  | { BANDYOPADHYAY, KRISHNACH-<br>ANDRA . . . . . }           | 24 Sankaripara Road, Bhowanipur, Calcutta.                   |
|                   | 1891 Apr. 7.  | BANKS, CHARLES . . . .                                     | Oamaru, New Zealand.   |
|                   | 1891 May 5.   | { BANKS, JAMES WHITE,<br>B.E. (Royal) . . . . . }          | Sunny Gardens, Hendon, N.W.                                  |
|                   | 1888 Dec. 4.  | BANKS, JOHN . . . .  |  |
|                   | 1890 May 20.  | *BANKS, WALTER . . . .                                     | 20 Short St., Heaton Norris, Stockport.                      |
|                   | 1895 May 21.  | BANKS, WILLIAM . . . .                                     | 10 Albany Road, Rochester.                                   |
|                   | 1890 Feb. 4.  | BANNISTER, MAUNSEL CASWELL                                 | { Central Buildings, North John Street, Liverpool.           |
|                   | 1895 Feb. 5.  | *BARBER, EDWARD HAZELDINE                                  | Rural District Council, Preston.                             |
|                   | 1884 Feb. 5.  | BARCLAY, ARTHUR . . . .                                    | 29 Gloucester Rd., Kensington, S.W.                          |
|                   | 1893 Feb. 7.  | *BARHAM, HUGH GARRATT FOSTER                               | { New Waterworks Co., 27 Broad Street, St. Helier, Jersey.   |
| m ✕               | 1893 Dec. 5.  | *BARKER, CHARLES DAVIDSON . .                              | { McTaggart, Cowan & Barker, 109 Bath Street, Glasgow.       |
| m ✕               | 1892 Dec. 6.  | *BARKER, JOHN HENRY . . . .                                | Electric Supply Co., Cambridge.                              |
|                   | 1892 Mar. 1.  | *BARKER, JOSEPH WILLIAM . .                                | Town Hall, Stratford, E.                                     |
|                   | 1891 Dec. 1.  | *BARKER, LÉON HARRY . . . .                                | Bengal-Nagpur Ry., Jharsogra, India.                         |
|                   | 1894 Mar. 6.  | *BARKER, OSWALD . . . .                                    | 56 Victoria Road, Swindon.                                   |
|                   | 1890 Mar. 4.  | BARKER, RAYNER CHILDE, C.I.E.                              | { Indo-European Telegraph Department, Teheran, Persia.       |
|                   | 1895 Dec. 3.  | BARKER, THOMAS . . . .                                     | { 17 Woodville Terrace, Little Horton Lane, Bradford.        |
| ✕                 | 1892 Dec. 6.  | BARLING, IVAN COLLINGWOOD                                  | Aire & Calder Navigation, Goole.                             |
|                   | 1894 Dec. 4.  | BARLOW, JOSEPH WILMOT . .                                  | Bold Hall, near St. Helen's, Lanes.                          |
|                   | 1893 Dec. 5.  | { BARLOW - MASSICKS, THOMAS<br>GIBSON . . . . . }          | { Lynx Creek Gold Co., Prescott, Arizona, U.S.               |
|                   | 1896 Mar. 3.  | BARNARD, ADAM SEDGWICK . .                                 | Boro' Electrical Engineer, Hull.                             |
|                   | 1891 Feb. 3.  | *BARNARD, HENRY CUTBERT                                    | State Ry., Taiping, Perak, S.S.                              |
|                   | 1890 May 6.   | { *BARNARD, ROBERT CARY<br>HENSLOW . . . . . }             | Major Barnard, Bartlow, Leckhampton, Cheltenham.             |
|                   | 1892 Dec. 6.  | *BARNEY, REGINALD CLAYTON                                  | { Hull & Barnsley Ry., Engineer's Office, Hull.              |
|                   | 1888 Dec. 4.  | { *BARNES, CHARLES ARTHUR<br>ALBERT . . . . . }            | Park Lodge, Accra, West Africa.                              |
|                   | 1896 May 5.   | BARNES, JOHN . . . .                                       | Ribble Navigation, Preston.                                  |
|                   | 1887 Dec. 6.  | { BARNES, ROBERT SAMUEL<br>WEMYSS . . . . . }              | Durban Club, Durban, Natal.                                  |
|                   | 1892 Dec. 6.  | BARNES, SIDNEY WALTER JOHN                                 | 19 Denmark Road, Ealing, W.                                  |
|                   | 1884 Feb. 5.  | BARNETT, CHARLES WILLIAM                                   | { Logan's Buildings, Beech Street, Penang, S.S.              |
|                   | 1885 Feb. 3.  | BARNETT, JOHN DAVIS . . . .                                | G. T. Ry., Stratford, Ont., Canada.                          |
|                   | 1894 Dec. 4.  | *BARNETT, WALTER GEORGE . .                                | G.I.P. Ry., Harda, C.P., India.                              |
|                   | 1894 May 1.   | BARON, JOSEPH EDWARD . . . .                               | P.W.D., Perth, Western Australia.                            |
|                   | 1898 Mar. 1.  | { *BARRACLOUGH, SAMUEL HENRY,<br>B.E. (Sydney) . . . . . } | University, Sydney, N.S.W.                                   |
|                   | 1874 Feb. 3.  | BARRATT, HENRY . . . .                                     | 85 New Street, Altrincham.                                   |
|                   | 1887 Jan. 11. | BARRATT, JAMES . . . .                                     | Box 374, Sydney, N.S.W.                                      |
|                   | 1894 Dec. 4.  | *BARRATT, SAMUEL HARRY HILL                                | 19 Old Queen St., Westminster, S.W.                          |
|                   | 1886 Dec. 7.  | BARRATT, THOMAS BLAMEY . .                                 | { Mandurah Road, Beaconsfield, Fremantle, Western Australia. |
|                   | 1891 Dec. 1.  | BARRETT, ERNEST JAMES . .                                  | Town Hall, Staines.  |



Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |   |   |
|-----|---------------|---|---|
|     | 1886 Dec. 7.  | BARRETT, SYDNEY RUSSELL ..                          | { Gas Dept., Council House, Birmingham.                                 |
|     | 1896 Jan. 14. | BARRINGER, HERBERT .. ..                            | 88 Bishopsgate Street Within, E.C.                                      |
|     | 1879 Mar. 4.  | BARRON, CHARLES .. ..                               | Wadebridge, Cornwall.   |
|     | 1876 Apr. 4.  | BARRON, HENRY STRACEY ..                            | { Paulinzell, Vardens Road, New<br>Wandsworth, S.W.                     |
|     | 1896 May 5.   | BARRON, JAMES, Jun. .. ..                           | 1 Bon-Accord Street, Aberdeen. [W.                                      |
|     | 1872 Dec. 3.  | BARRON, WILLIAM ADAMSON ..                          | 26 Powis Square, Kensington Park,                                       |
|     | 1884 Feb. 5.  | { BARROS, FELICIANO MENDES DE<br>MESQUITA .. .. .   | { 20 Rua do Barai de Ibituruna, Rio<br>de Janeiro. [umbia.              |
|     | 1892 Dec. 6.  | *BARROW, ARTHUR ROBERT ..                           | P.O. Box 39, Nelson, British Col-                                       |
|     | 1889 Dec. 3.  | *BARROWCLIFF, GEORGE HARRY                          | Mill Street, Loughborough.  |
|     | 1889 Mar. 5.  | { *BARRY, HERBERT ALFRED<br>LUCAS .. .. .           | { 15 Great George Street, S.W. (Pintle,<br>London. Westminster 367.)    |
|     | 1890 May 20.  | BARRY, WILLIAM FITZ-GERALD                          | Co. Surveyor's Office, Kilkenny.  |
|     | 1895 Jan. 8.  | *BARTLETT, EDWARD CECIL ..                          | { J. Stewart, 6 St. George's Chambers,<br>Cape Town, C.C. [Avenue, W.C. |
|     | 1896 Feb. 4.  | BARTON, ANDREW .. ..                                | Admiralty, 21 Northumberland  |
|     | 1865 May 23.  | BARTON, JOHN .. ..                                  | Torwood, Wimbledon Park.  |
| m   | 1884 Feb. 5.  | *BASHALL, WILLIAM .. ..                             | 21 Holland Villas Road, W.  |
|     | 1896 Feb. 4.  | BASSETT, WALTER BASSETT ..                          | { 108 Westminster Bridge Road, S.E.<br>(Hop 681.)                       |
|     | 1887 Dec. 6.  | *BASSETT, HERBERT STANHOPE                          | Chaddesley, Dean Pk., Bournemouth.                                      |
|     | 1886 Feb. 2.  | BATCHELOR, CYRIL TALWORTH                           | Llanishen, Cardiff.   |
|     | 1892 Mar. 1.  | *BATCHEN, THOMAS MACKENZIE                          | 6 Innes Street, Inverness, N.B.   |
|     | 1894 May 22.  | BATE, DOUGLAS CLAVELL ..                            | 127 East Dulwich Grove, S.E.  |
|     | 1887 Feb. 1.  | BATERDEN, JAMES RAE .. ..                           | { 54 Brighton Grove, Newcastle-on-<br>Tyne.                             |
|     | 1895 Dec. 3.  | BATESON, HUGH .. ..                                 | Assam-Bengal Ry., Badarpur, India.                                      |
|     | 1887 Dec. 6.  | *BATLEY, CHARLES JOSEPH ..                          | { Oldham Waterworks, Piethorn,<br>Rochdale.                             |
|     | 1894 Jan. 9.  | *BATT, ALFRED JACKSON .. ..                         | { Easton & Aldridge, 121 South Broad-<br>way, Los Angeles, Calif., U.S. |
| m   | 1882 Dec. 5.  | *BATTEN, WILLIAM TOWNSHEND                          | Adelaide House, Northampton.  |
| H + | 1893 Apr. 11. | BATTERSEY, EDMUND .. ..                             | The Uplands, Shifnal.   |
|     | 1873 Dec. 2.  | BAUTERMAN, HILARY .. ..                             | 14 Cavendish Road, Balham, S.W.   |
|     | 1893 Dec. 5.  | BAXTER, GEORGE .. ..                                | 93 Commercial Street, Dundee.   |
|     | 1890 Dec. 2.  | BAYLEY, GEORGE HERBERT ..                           | 33 Brazennose Street, Manchester.                                       |
|     | 1892 Feb. 2.  | BAYLEY, WALTER FRANCIS ..                           | 1 Victoria Avenue, Hull. [Colony.                                       |
|     | 1894 Dec. 4.  | BAYLEY, WILLIAM THOMAS ..                           | Municipal Eng., Seapoint, Cape  |
|     | 1884 May 6.   | *BAYLIS, PERCY .. ..                                | 10 Upper Colfe Rd., Forest Hill, S.E.                                   |
|     | 1892 Apr. 5.  | BAYLIS, THOMAS PHILIP ..                            | Borough Surveyor, Droitwich.  |
|     | 1883 May 29.  | BAYLISS, GEORGE REGINALD ..                         | Spondon, Derbyshire.  |
|     | 1884 Dec. 2.  | BAYLISS, THOMAS RICHARD ..                          | Belmont, Northfield, nr. Birmingham.                                    |
|     | 1850 Apr. 2.  | { BAYNES, CHARLES CHRISTOPHER<br>CARLETON .. .. .   | { 2 South Hill Park Gardens, N.W.                                       |
|     | 1891 Apr. 7.  | *BAYNES, JOSEPH HENRY .. ..                         | Maryborough, Queensland.  |
|     | 1892 Dec. 6.  | *BEADLE, FRANK EDWARD ..                            | Beadonwell, Belvedere, Kent.  |
|     | 1886 May 18.  | BEAHAN, JOHN CHARLES .. ..                          | 9 Templeton Place, Earl's Court, S.W.                                   |
|     | 1892 Mar. 1.  | *BEAL, EDWIN JAMES .. ..                            | Southern Outfall, Crossness, Kent.                                      |
|     | 1890 May 20.  | { *BEALE, BERTRAM ROBERT,<br>B.A. (Cantab.) .. .. . | { Bucklands, Teddington.  |
|     | 1888 Jan. 10. | BEALE, HENRY FITZ GERALD                            | Grindlay, Groom & Co., Bombay.  |
|     | 1874 Jan. 13. | { *BEAMISH, GEORGE HORATIO<br>TOWNSHEND .. .. .     | { Spy Hill House, Queenstown, Cork.                                     |
|     | 1880 Mar. 2.  | *BEAN, ALFRED WILLIAM THOMAS                        | 47 Prince's Square, W.  |
|     | 1886 May 18.  | BEAN, JOHN STENNITT .. ..                           | L. & N. W. Ry., Crewe.  |
|     | 1885 Apr. 14. | BEAN, WILLIAM .. ..                                 | Belmont, Haddington, Stamford.  |
|     | 1853 Dec. 6.  | BEANES, EDWARD .. ..                                | Moatlands, Paddock Wood, Kent.  |
|     | 1891 Feb. 3.  | { *BEARBLOCK, CHARLES WILLIAM<br>JOHN, R.N. .. .. . | { [Lane, E.C.   |
|     | 1883 Dec. 4.  | *BEARDMORE, WILLIAM LEE ..                          | c.o. C. E. Newnham, 18 Ironmonger                                       |
|     | 1892 Apr. 5.  | BEATTIE, GEORGE .. ..                               | 68 George Street, Edinburgh.  |

| Date of Election. |     | ASSOCIATE MEMBERS.  |  |
|-------------------|-----|---|--|
| 1898 Feb.         | 1.  | { *BEATTY, JOSEPH NICHOLSON, }<br>B.E. ( <i>Royal</i> ) .. .. .   | Ivy House, Hartington, Derbyshire.                                   |
| 1887 Mar.         | 1.  | *BEAUMONT, PERCY MUNRO ..   | Boro' Surveyor, Maldon, Essex.                                       |
| 1891 Jan.         | 13. | { BECHER, CHARLES FREDERICK, }<br>B.A.I. ( <i>Dubl.</i> ) .. .. . | County Council, Spring Gardens, S.W.                                 |
| 1889 Dec.         | 3.  | *BECHER, HARRY, B.A. ( <i>Dubl.</i> )                             | County Council, Spring Gardens, S.W.                                 |
| 1893 May          | 16. | BECKETT, EDWARD HENRY ..  | 35 Queen Victoria Street, E.C.                                       |
| 1885 Dec.         | 1.  | *BECKETT, WILLIAM MARROW ..                                       | 2 Cooper Street, Manchester.   |
| 1890 Mar.         | 4.  | { *BECKH, HARRY OSCAR, }<br>M.A. ( <i>Cantab.</i> ) .. .. .       | Priory House, East Hill, Colchester.                                 |
| 1872 May          | 7.  | BECKINGSALE EDGAR WILLIAM   | Eastrop Lodge, Basingstoke.  |
| 1891 Feb.         | 3.  | *BECKS, GEORGE ARTHUR ..  | { The Clone, Court Road, West Nor-<br>wood, S.E.                     |
| m 1886 May        | 4.  | *BECKWITH, ARTHUR .. ..   | Usk Paper Works, Crickhowell.  |
| 1879 May          | 6.  | *BEEMAN, JOSEPH SAMUEL ..   | 182 Earl's Court Road, S.W.  |
| 1894 Jan.         | 9.  | BEESLEY, WALTER .. ..   | 11 Victoria Street, S.W.   |
| 1882 Feb.         | 7.  | *BEEVER, BERNULF WATSON ..  | 9 Albert Square, Manchester.   |
| 1896 May          | 5.  | BEKENN, CHARLES FREDERIC ..                                       | Thos. Parker, Ltd., Wolverhampton.                                   |
| 1887 Jan.         | 11. | { *BELCHER, HUGH WALTER, }<br>M.A. ( <i>Oxon.</i> ) .. .. .       | 109 Ebury Street, S.W.   |
| 1891 Mar.         | 3.  | BELFIELD, REGINALD .. ..  | Westinghouse Co., 32 Victoria St., S.W.                              |
| 1881 Dec.         | 6.  | { BELIN, AUGUSTUS ZACHARY }<br>CONSTANT .. .. .                   | Rua D. Marciano 15, Botafogo, Rio<br>de Janeiro.                     |
| 1897 Jan.         | 12. | BELL, ANDREW WALKER ..  | Burgh Engineer, Dunfermline, N.B.                                    |
| 1893 Dec.         | 5.  | BELL, ARCHIBALD GRAEME ..   | Georgetown, Demerara.  |
| 1895 Dec.         | 3.  | { *BELL, ERNEST ALBERT SEY- }<br>MOUR, F.C.H. .. .. .             | Inglisby, Shillong, Assam.   |
| 1881 Dec.         | 6.  | BELL, GEORGE .. .. .  | Boro' Surveyor's Office, Swansea.                                    |
| 1897 Dec.         | 7.  | BELL, GEORGE JOSEPH ..  | County Surveyor, Carlisle.   |
| 1895 Dec.         | 3.  | BELL, JAMES .. .. .   | 32 Victoria Street, S.W.   |
| 1889 Jan.         | 8.  | BELL, JOHN FERGUSON ..  | Gasworks, Stafford.  |
| 1895 Dec.         | 3.  | BELL, LEONARD MOORE ..  | 7 Chichester Street, Belfast.  |
| 1896 Apr.         | 14. | *BELL, NORRIS GARRETT ..  | Ry. Dept., Brisbane, Queensland.                                     |
| 1886 May          | 18. | *BELL, ORIENT .. .. .   | 13 William Street, Woolwich.   |
| 1897 Dec.         | 7.  | BELLAMY, ALFRED ROWE ..   | Algoa Lodge, Cale Green, Stockport.                                  |
| 1898 Jan.         | 11. | BELLAMY, CHARLES REVILL ..  | Gas Department, Liverpool.   |
| ✠ 1892 Dec.       | 6.  | *BELLAMY, CHARLES VINCENT   | Nicosia, Cyprus.   |
| 1883 Mar.         | 6.  | BELLAMY, HENRY FRANKLIN ..  | Selangore, Malay, S.S.   |
| 1880 Feb.         | 3.  | { *BELLINGHAM, AUGUSTUS }<br>WILLIAM HARVEY .. ..                 | Tientsin, China.   |
| 1880 Apr.         | 6.  | BELTON, WILLIAM .. .. .   | Gas Light Company, Shrewsbury.                                       |
| 1882 May          | 2.  | { BENCE-PEMBROKE, FREDERICK }<br>CHARLES .. .. .                  | Hartland House, Bude, Cornwall.                                      |
| 1885 Dec.         | 1.  | BENEST, EDWARD BENEST SHAW  | Caixa 403, Rio de Janeiro.   |
| 1894 Mar.         | 6.  | BENEST, HENRY .. .. .   | 85 Burnt Ash Hill, Lee, S.E.   |
| 1893 Jan.         | 10. | *BENGOUGH, CYRIL FRANCIS ..                                       | Urpeth, Chester-le-Street. [N.W.]                                    |
| 1891 Mar.         | 3.  | *BENHAM, ARTHUR HOWARD ..   | 16 Grosvenor Gardens, Willesden,                                     |
| 1884 Feb.         | 5.  | *BENHAM, PERCY .. .. .  | 7 Brondesbury Park, N.W.   |
| 1882 Apr.         | 4.  | BENNATON, NEWTON .. ..  | E.F.O.B., Cachoeira, São Paulo, Brazil.                              |
| 1892 Dec.         | 6.  | *BENNETT, GERALD WINZAR ..  | The Close, Salisbury. [Iand.]  |
| 1885 Apr.         | 14. | BENNETT, HARRY JOHN TOLER   | 2 Wilmer Terrace, Parsonstown, Ire.                                  |
| 1889 Apr.         | 2.  | BENNETT, JAMES BOWER ..   | 24 George Street, Edinburgh. [S.W.]                                  |
| 1875 Apr.         | 6.  | BENNETT, JOHN .. .. .   | 13 Drayton Gardens, Kensington,                                      |
| 1894 Dec.         | 4.  | { *BENNETT, LIONEL VAUGHAN, }<br>B.A.I. ( <i>Dubl.</i> ) .. .. .  | Rockmount, Ballynabinech, Co.<br>Down.                               |
| 1889 Dec.         | 3.  | BENNETT, THOMAS .. .. .   | { Waterworks, Albion Springs, Ron-<br>debosch, Cape Colony.          |
| 1897 Feb.         | 2.  | BENNETT, THOMAS .. .. .   | Overstone Park Rd., Peterborough.                                    |
| 1897 Feb.         | 2.  | *BENNETT, THOMAS ROLPH ..   | { New Modderfontein Gold Mining<br>Co., Modderfontein, South Africa. |
| ✠ 1880 Dec.       | 7.  | { BENNETT, WILLIAM BENJAMIN }<br>GEORGE .. .. .                   | Borough Engineer, Southampton.                                       |
| 1885 Dec.         | 1.  | BEN-SAUDE, JOAQUIM .. ..  | Ben-Saude & Cie., Lisbon, Portugal.                                  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|       |               |                                 |   |
|-------|---------------|---------------------------------|---|
|       | 1881 Dec. 6.  | BENSON, CHRISTIAN .. ..         | F. C. del Sud, Buenos Aires. [port.     |
|       | 1886 Apr. 6.  | *BENSON, DAVIS EDMONDSON ..     | Queenwood, Lansdowne Rd., South-        |
|       | 1887 Dec. 6.  | *BENSON, JOHN JAMES BOURNE      | State Engineer, Porbandar, India.       |
|       | 1898 Apr. 5.  | *BENSON, WILLIAM .. ..          | Boro' Engineer's Office, Salford.       |
|       | 1889 Dec. 3.  | {*BENT, BALDWIN HARRY, .. ..    | Stowe Hill, Bury St. Edmunds.           |
|       |               | {M.A. (Cantab.) .. ..           |   |
|       | 1898 Apr. 5.  | BENTLEY, JAMES HENRY .. ..      | 31 Fern Street, Oldham.                 |
| T t ✕ | 1892 Jan. 12. | BERG, SIGVARD JOHNSON .. ..     | Chur, Switzerland.                      |
|       | 1894 May 22.  | *BERINGER, OTTO LEOPOLD ..      | Blantyre, British Central Africa.       |
|       | 1896 May 19.  | *BERKELEY, ARTHUR MOWBRAY       | Assam-Bengal Ry., Chittagong,           |
|       | 1891 Mar. 3.  | BERKLEY, MICHAEL GRAHAM         | King, King & Co., Bombay. [Bengal.      |
|       | 1895 Feb. 5.  | BERNAYS, LEWIS ADOLPHUS, Jr.    | {Fitzroy Bridge, Rockhampton,           |
|       |               |                                 | {Queensland.                            |
| m     | 1837 Dec. 7.  | *BERRIDGE, HAROLD .. ..         | {W. Hill & Co., Devil's Point, Stone-   |
|       |               |                                 | {house, Plymouth.                       |
|       | 1883 Dec. 4.  | BERRIDGE, ROBERT .. ..          | Highlands, Old Park Road, Enfield.      |
| ✕     | 1885 Dec. 1.  | {BERRINGTON, RICHARD EVANS}     | Graiseley House, Wolverhampton.         |
|       |               | {WILLOUGHBY .. ..               |   |
|       | 1896 Jan. 14. | {*BERRY, ROBERT ALEXANDER}      | c/o Agent, Southern Mahratta Ry.,       |
|       |               | {JOHN .. ..                     | {India.                                 |
|       | 1891 Dec. 1.  | BERRY, WILLIAM WALTON ..        | Bridgewater Trust, Walkden, Lancs.      |
|       | 1891 Apr. 7.  | *BERTLIN, ANTHONY .. ..         | Contractor's Office, Gildersome, Leeds. |
|       | 1897 Feb. 2.  | BERTLIN, PERCY WALTER ..        | J. Aird & Sons, Reservoirs, Staines.    |
|       | 1890 Feb. 4.  | BESANT, FREDERICK WILLIAM       | Govt. Rys., Colombo, Ceylon.            |
|       | 1894 Jan. 9.  | *BESSEMER, ALFRED GEORGE, Jun.  | {Balmoral Hotel, New Brompton,          |
|       |               |                                 | {Kent.                                  |
|       | 1886 May 18.  | *BEST, HARRY ROBERTSON ..       | 47 Victoria St., S.W. {(Nomizo, Lon-    |
|       |               |                                 | {don. 3095.)                            |
|       | 1888 May 15.  | BESWICK, WILLIAM HENRY ..       | Moss Side, Exmouth.                     |
|       | 1880 Dec. 7.  | BETTS, EDWARD PETO .. ..        | Hill House, Camberley, Surrey.          |
|       | 1897 Mar. 2.  | *BEVAN, PHILIP JAMES .. ..      | 6 Gt. College St., Westminster, S.W.    |
|       | 1888 Dec. 4.  | BEVERIDGE, JOHN .. ..           | {Metropolitan Board of Water Supply,    |
|       |               |                                 | {Pitt Street, Sydney, N.S.W.            |
|       | 1882 Mar. 7.  | BEWLEY, HUBERT .. ..            | Spring Hill, Birmingham.                |
|       | 1877 Mar. 6.  | *BEYNON, GEORGE WILLIAM         | G. W. Ry., Reading.                     |
|       | 1892 Jan. 12. | BEYNON, JOHN COWELL STARK       | Box 2926, Johannesburg, Transvaal.      |
|       | 1886 May 18.  | BRADA, NASARVANJI DORABJI       | {Assistant Water Engineer, Municipi-    |
|       |               |                                 | {pality, Bombay.                        |
|       | 1897 Dec. 7.  | BHORE, JOHN .. ..               | P.W.D., Koppa, Mysore.                  |
|       | 1894 May 1.   | *BICKERSTETH, EDWARD CHARLES    | 1 Lord Street, Crewe.                   |
|       | 1897 Apr. 6.  | {*BICKERTON, WILLIAM HENRY,}    | Horace Bell, 28 Victoria Street, S.W.   |
|       |               | {JUN., B.Sc. (Victoria.) .. ..} |   |
|       | 1894 May 1.   | BICKNELL, ROBERT HENRY ..       | Local Govt. Board, Whitehall, S.W.      |
|       | 1875 Feb. 2.  | BIEBER, ALBERT OTTO .. ..       | Rue Lauriston 16 bis, Paris.            |
| ✕     | 1887 Dec. 6.  | BIGGART, ANDREW STEVENSON       | {279 Nithsdale Road, Dumbreck,          |
|       |               |                                 | {Glasgow.                               |
|       | 1887 Dec. 6.  | BIGLEY, THOMAS MOYLES ..        | {19 Castle Street, Liverpool. (Bigley,  |
|       |               |                                 | {Liverpool. 6472.)                      |
|       | 1892 Dec. 6.  | *BILL, HERBERT EDWARD ..        | Radford Road, Coventry.                 |
|       | 1892 Mar. 1.  | BILTON, HENRY JOHN INWOOD       | Ry. Dept., Melbourne, Victoria.         |
|       | 1888 Dec. 4.  | BINET, EDWARD PHILIP .. ..      | Box 102, Krugersdorp, Transvaal.        |
|       | 1897 Feb. 2.  | *BINGHAM, PERCY MOORE ..        | P.W.D., Colombo, Ceylon.                |
|       | 1892 Dec. 6.  | {*BINNIE, WILLIAM JAMES EAMES,} | 10 Holland Park Mansions, Holland       |
|       |               | {B.A. (Cantab.) .. ..           | {Park Gardens, W.                       |
|       | 1896 Apr. 14. | BINNY, WILLIAM MURRAY ..        | 53 Victoria Street, S.W.                |
|       | 1884 Feb. 5.  | {*BIRCH, EDWARD ROBERT,}        | Birch Grove, Roscrea, Ireland.          |
|       |               | {B.A.I. (Dubl.) .. ..           |   |
|       | 1885 Dec. 1.  | *BIRD, FRANCIS TREVOR .. ..     | S. Mahratta Ry., Dharwar, Bombay.       |
|       | 1881 Dec. 6.  | BIRD, GEORGE ROWLAND ..         | P.W.D., Bareilly, N.W.P., India.        |
|       | 1883 Feb. 6.  | {BIRD, HUGH WILLIAM STONE-}     | Costa Rica Ry., San José, Costa         |
|       |               | {HEWER .. ..                    | {Rica.                                  |
|       | 1896 May 19.  | *BIRD, SIDNEY JAMES .. ..       | The Grove, Portland. [St., E.C.         |
|       | 1883 May 29.  | *BIRD, WILLIAM HENRY .. ..      | Eng.'s Office, G. E. Ry., Liverpool     |

| Date of Election. |  | ASSOCIATE MEMBERS.                                  |  |
|-------------------|--|---|--|
| 1843 Mar. 7.      |  | BIRKBECK, GEORGE HENRY ..                           | 31 King Henry's Rd., Hampstead, N.W.                             |
| 1883 Apr. 3.      |  | *BIRKETT, ROBERT .. ..                              | 33 Cavendish Rd., Brondesbury, N.W.                              |
| 1892 Dec. 6.      |  | BIRNIE, NORMAN .. ..                                | Ry. Dept., Melbourne, Victoria.                                  |
| 1894 May 1.       |  | *BIRT, LASCELLES WILLIAM ..                         | { Tebekwe Mine, Selukwe, Buluwayo, Matabeleland.                 |
| 1890 Dec. 2.      |  | *BIRT, RAYMOND JOHN .. ..                           | P.O., Johannesburg, Transvaal.                                   |
| 1897 Feb. 2.      |  | *BIRT, RUDING SPENCE .. ..                          | 58 Compayne Gardens, Hampstead, Ry. Dept., Auckland, N.Z. [N.W.] |
| 1892 Dec. 6.      |  | *BISS, CYRIL HOLM .. ..                             | Tilbhoom Tea Estate, Chandkhira                                  |
| 1894 Feb. 6.      |  | { BLACK, GEORGE MACARTNEY }<br>CAMPBELL .. ..       | { P.O., Karimganj, Sylhet, India.                                |
| 1897 Apr. 6.      |  | BLACK, ROBERT SMITH .. ..                           | Mansfield, Tayport, N.B.   |
| 1877 Jan. 16.     |  | BLACKBOURN, HENRY .. ..                             | 6 Queen Anne's Gate, S.W.  |
| 1885 Apr. 14.     |  | *BLACKBURN, CHARLES HENRY                           | Rawal Pindi, India.  |
| 1883 Feb. 6.      |  | *BLACKBURN, EDWARD HERBERT                          | 6 Delahay St., Westminster, S.W.                                 |
| 1890 May 6.       |  | BLACKBURN, JOHN .. ..                               | Colne Valley Waterworks, Bushey.                                 |
| 1893 May 2.       |  | *BLACKER, JOHN RICHARD ..                           | 2 Park Villas, Stillorgan, co. Dublin.                           |
| 1881 Dec. 6.      |  | BLACKETT, JAMES WILLIAM ..                          | { Uganda Railway, Mombasa, East Africa. [W.]                     |
| 1883 Feb. 6.      |  | *BLACKMORE, GEORGE FREDERICK                        | 34 Wendell Rd. Shepherd's Bush,                                  |
| 1895 Dec. 3.      |  | BLACKSHAW, WALTER .. ..                             | Urban District Council, Cannock.                                 |
| 1888 Dec. 4.      |  | BLACKSHAW, WILLIAM .. ..                            | Boro' Surveyor, Stafford.  |
| 1874 Apr. 14.     |  | BLACKWELL, CHARLES .. ..                            | 4,400 St. Catherine Street, Montreal.                            |
| 1879 Feb. 4.      |  | BLACKWELL, LOUIS BUCKLAND                           | Vale Colliery, Lithgow, N.S.W.                                   |
| 1889 Jan. 8.      |  | { BLAINE, ROBERT GORDON, }<br>M.E. (Royal) .. ..    | { The Shrubbery, Peel Road, South Woodford.                      |
| 1889 Jan. 8.      |  | *BLAIR, GEORGE, JUN. .. ..                          | 4 Kinnool Place, Dowanhill, Glas-                                |
| 1878 Apr. 2.      |  | BLAIR, JAMES MACLELLAN ..                           | Clutha Ironworks, Glasgow. [gow.]                                |
| 1890 Apr. 1.      |  | BLAKE, GEORGE BENJAMIN ..                           | Shire Hall, Jeetho, Victoria.                                    |
| 1897 Apr. 6.      |  | BLAKE, GEORGE ROBERTSON ..                          | 134 St. Vincent Street, Glasgow.                                 |
| 1895 May 21.      |  | BLAKE, HENRY KYNASTON ..                            | 38 Morland Road, East Croydon.                                   |
| 1869 Mar. 2.      |  | *BLAKE, JOHN HOPWOOD ..                             | 16 Polstead Road, Oxford.  |
| 1897 Feb. 2.      |  | *BLAKE, RUSTAT, B.A. (Cantab.)                      | Marine Hotel, Bexhill-on-Sea.                                    |
| 1881 Feb. 1.      |  | { BLAKESLEY, JOHN HOLMES, }<br>M.A. (Cantab.) .. .. | { 55 Victoria Street, S.W.                                       |
| 1882 Jan. 10.     |  | { BLANDY, JOHN EDWARD }<br>AUGUSTUS JENKINS .. ..   | { 6 Acton Square, Peel Park, Salford.                            |
| 1869 Dec. 7.      |  | BLAXLAND, GEORGE .. ..                              | Gillingham House, near Chatham.                                  |
| 1896 Apr. 14.     |  | BLEAZBY, ROBERT, B.A.I. (Dubl.)                     | Weld Club, Perth, Western Australia.                             |
| 1893 Dec. 5.      |  | BLEW, ANDERSON WEBB ..                              | { Cia. de Tierras, Vera, Santa Fé, Argentina.                    |
| 1887 May 24.      |  | BLIZARD, JOHN HENRY .. ..                           | Lansdowne House, Southampton.                                    |
| 1886 Jan. 12.     |  | { *BLOMFIELD, VALENTINE JOHN }<br>STUART .. ..      | { D.P.W., Moss Vale, N.S.W.                                      |
| 1877 Dec. 4.      |  | BLOXSOM, MARTIN, B.A. (Lond.)                       | { Eng.'s Office, L. & Y. Ry., Manchester.                        |
| 1887 Mar. 1.      |  | BLUE, JOHN ALEXANDER CRAIG                          | 37 Great George Street, S.W.                                     |
| 1887 Feb. 1.      |  | *BLUETT, FREDERICK .. ..                            | 6 College Road, Exeter.  |
| 1884 May 27.      |  | BLUM, ALEXANDER SAMUEL ..                           | I. Renngasse 3, Vienna.  |
| 1886 Jan. 12.     |  | BLUNDELL, HARRY .. ..                               | { Gt. Central Ry., Guide Bridge, Lancs. [W.]                     |
| 1897 Jan. 12.     |  | BLUNDELL, JOHN CHRISTOPHER                          | Eng.'s Office, G.W. Ry., Paddington,                             |
| 1891 Apr. 7.      |  | BOATH, ROBERT .. ..                                 | 31 Nelson St., Edinburgh.  |
| 1889 Dec. 3.      |  | BOBY, WILLIAM .. ..                                 | { 16 Union Court, Old Broad St., E.C. (Buccula, London.)         |
| 1893 Dec. 5.      |  | BODE, HUBERT FRANCIS TORIANO                        | Ry. Construction Branch, P.W.D.,                                 |
| 1879 May 27.      |  | *BODMER, GEORGE RUDOLPH ..                          | 30 Walbrook, E.C. [Sydney, N.S.W.]                               |
| 1892 May 24.      |  | *BODY, JOHN BENJAMIN .. ..                          | Apartado 58, Vera Cruz, Mexico.                                  |
| 1882 Dec. 5.      |  | BOGER, JOHN RICHARD .. ..                           | { West Middlesex Waterworks, Barrow Hill, Regent's Park, N.W.    |
| 1877 Dec. 4.      |  | BOLD, EDWARD HENRY .. ..                            | Telegraph Dept., Auckland, N.Z.                                  |
| 1891 Dec. 1.      |  | *BOLTON, REGINALD PELHAM ..                         | { Syndicate Building, Liberty and Nassau Streets, New York, U.S. |
| 1879 Feb. 4.      |  | *BOND, CECIL PHILIP WILLIAM                         | { Kirkwall, Birkenhead Avenue, Kingston-on-Thames.               |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                    |  |  |
|--------------------|--|--|
| 1889 Dec. 3.       | BOND, GEORGE CRESWELL ..               | Aspley House, Nottingham.  |
| 1891 Jan. 13.      | BOND, HORACE SAMUEL .. ..              | Midland Ry., Brecon.   |
| 1891 Mar. 3.       | BOND, WALTER .. ..                     | Boro' Surveyor's Office, Swansea.  |
| 1898 Apr. 5.       | *BONHAM-CARTER, REGINALD ..            | 5 Hyde Park Square, W.   |
| 1897 Mar. 2.       | *BOOTH, HUBERT CECIL ..                | { 5 Langham Chambers, Portland Place, W.   |
| 1876 Dec. 5.       | { BORRADALE, ARTHUR .. ..              | Saltburn-by-the-Sea.   |
|                    | { FREDERICK .. ..                      |  |
| 1891 Feb. 3.       | { *BORROWMAN, WILLIAM .. ..            | 2 Thornwood Terrace, Partick, Glasgow.   |
|                    | { CAMERON, .. ..                       |  |
| 1893 Mar. 7.       | *BOSMAN, WALTER .. ..                  | P.W. Off., Eshowe, Zululand ( <i>via</i> Natal).                                       |
| 1886 Dec. 7.       | *BOTHAMS, ALFRED CHAMPNEY ..           | 9 Endless Street, Salisbury.   |
| 1897 Mar. 2.       | *BOTLEY, CHARLES FREDERIC ..           | Guildables, Hastings.  |
| 1896 Dec. 1.       | BOTTERILL, CHARLES .. ..               | Town Hall, Walham Green, S.W. [S.W.  |
| 1892 Dec. 6.       | *BOTTLE, FRANK WALKER ..               | Gas Light & Coke Co., Lupus St., Pinlco, Sudbury, Beechcroft Road, Upper Tooting, S.W. |
| T t ✕ 1879 May 27. | BOULT, WILFRID SWANWICK ..             | { Praya Reclamation Works, Hong Kong.  |
| 1884 Dec. 2.       | *BOULTON, JAMES FETTES ..              | 32 Great George Street, S.W.   |
| 1888 May 15.       | BOURCHIER, EDWARD HERBERT ..           | Solano 10, Cadiz, Spain.   |
| 1894 Jan. 9.       | BOURCOUD, AGUSTIN EMILIO ..            | Ammunition Factory, Streetly, Sutton Coldfield.  |
| 1883 Feb. 6.       | { *BOURKE, PALMER AUGUSTUS, ..         | B.A.I. ( <i>Dubl.</i> ) .. ..  |
|                    | { BOURNE, CHARLES .. ..                | Fabbrica del Gaz, Milan.   |
| 1894 May 22.       | *BOURNE, JAMES JOHNSTONE ..            | 5 Lansdowne Road, Lee, S.E.  |
| 1884 Mar. 4.       | *BOURNE, ROBERT WILLIAM ..             | Higham, Northiam, Sussex.  |
| 1877 Dec. 4.       | BOURNE, ROBERT WILLIAM ..              | Govt. Rys., Tientsin, China.   |
| 1890 Feb. 4.       | *BOURNE, THOMAS JOHNSTONE ..           | Sebright Lawn, Worcester.  |
| 1873 May 6.        | BOURNE, WILLIAM TEMPLE ..              | Camera Club, Charing Cross Road, 14 Ridgefield, Manchester. [S.W.                      |
| 1892 May 24.       | *BOWDAGE, HENRY CURREY ..              | Public Offices, Grassendale, Liverpool.  |
| 1896 Apr. 14.      | *BOWDEN, ERNEST NEWTON ..              | { 25 Langham Mansions, Earl's Court, S.W. [chester.                                    |
| 1893 Jan. 10.      | BOWDEN, FREDERICK WILLIAM ..           |  |
| 1893 Apr. 11.      | BOWDEN, HENRY WHITE ..                 | Ridgefield, John Dalton Street, Man-   |
| 1869 Feb. 2.       | BOWDEN, JOHN .. ..                     | Borough Engineer, Reading.   |
| 1881 Apr. 5.       | BOWEN, JOHN .. ..                      | Bronala, Carnarvon.  |
| 1890 Dec. 2.       | BOWEN-JONES, WILLIAM THOMAS ..         | Ribble House, West Hartlepool.   |
| 1889 Dec. 3.       | BOWER, THOMAS .. ..                    | Town Hall, Earlestown, Lancs.  |
| ✕ 1891 Dec. 1.     | BOWES, ARTHUR .. ..                    | Mid-Kent Water Co., Snodland, Surveyor's Office, Sandgate. [Kent.                      |
| 1898 Mar. 1.       | BOWKER, ARTHUR FRANK ..                | Bengal-Nagpur Ry., Midnapur, India.  |
| 1893 Mar. 7.       | BOWLES, AUGUSTUS ROBERT ..             | { 60 Worlingham Road, East Dulwich, S.E.   |
| 1894 May 1.        | *BOWMAN, ERNEST JOHN VIVIAN ..         |  |
| 1896 Apr. 14.      | Box, EDWARD .. ..                      | 48 Church St., Ballymena, Ireland.   |
| 1896 Apr. 14.      | BOYD, ANDREW, B.E. ( <i>Royal</i> ) .. | { BOYDELL, JAMES EDWARD .. ..  |
| 1877 Dec. 4.       | { NEVILLE .. ..                        | King, King & Co., Bombay.  |
| 1880 Dec. 7.       | BOYLAN, JOHN .. ..                     | Colonial Bank Buildings, Auckland.   |
| 1895 Apr. 2.       | *BOYLE, JOHN CHARTERS .. ..            | The Mall, Armagh. [N.Z.  |
| 1889 Apr. 2.       | *BOYS, JOHN WILLIAM TOWNSEND ..        | Govt. Railway, Lagos, West Africa.   |
| 1898 Feb. 1.       | BRACKEN, THOMAS WILSON ..              | Fabbrica del Gas, Porto Nuovo, Milan.  |
| 1898 Apr. 5.       | { *BRACKENBURY, CHARLES .. ..          | ERNST .. ..  |
|                    | { *BRADFELD, JOHN JOB CREW, ..         | M.E. ( <i>Sydney</i> ) .. ..   |
| 1893 Feb. 7.       | { M.E. ( <i>Sydney</i> ) .. ..         | Roads and Bridges Dept., Sydney, N.S.W. [Calabar, W. Africa.                           |
| 1889 Jan. 8.       | *BRADFORD, HUGH MELLER ..              | Surveyor-General's Department, Old Boro' Eng.'s Office, Bury, Lancs.                   |
| 1893 Feb. 7.       | *BRADLEY, ARTHUR WALTER ..             | Town Hall, Wolverhampton.  |
| 1893 Dec. 5.       | *BRADLEY, JAMES WILLIAM ..             | Headquarter Office, Prospect, Ber-   |
| 1895 Dec. 3.       | *BRADSHAW, JOHN BARKER ..              | Adswold, Stockport. [muda.   |
| 1892 May 24.       | *BRADY, CHARLES ROBERT ..              |  |
| 1888 Mar. 6.       | { BRAGA, ANTONIO LUSTOZA ..            | P.O. Box 642, Rio de Janeiro.  |
|                    | { PEREIRA .. ..                        |  |
| 1891 May 5.        | { BRAIN, FRANK WILLIAM ..              | Trafalgar House, Drybrook, Glos.   |
|                    | { THOMAS .. ..                         |  |
| 1884 Dec. 2.       | BRAMAH, EDWARD HENRY ..                | Clonsceen, Bridge of Weir, N.B.  |



|         | Date of Election. | ASSOCIATE MEMBERS.                                 |  |
|---------|-------------------|--|--|
|         | 1883 Dec. 4.      | BRAMHAM, WILLIAM .. ..                             | 115 Bow Road, E.   |
|         | 1894 Dec. 4.      | BRANDRAM, ANDREW GEORGE                            | Drainage Works, Stevenage, Herts.                              |
|         | 1897 Apr. 6.      | BRANFILL, BENJAMIN .. ..                           | Pentyls, Port Talbot, South Wales.                             |
|         | 1864 May 24.      | BRANFILL, JOHN ARTHUR CAPEL                        | 25 Rosendale Rd., W. Dulwich, S.E.                             |
|         | 1863 Jan. 13.     | BRASSINGTON, JOHN WATTS ..                         | 17 Gloucester Walk, Campden Hill, W.                           |
|         | 1894 Dec. 4.      | *BRAZIL, JOSEPH PETER .. ..                        | Vulcan Works, Avonside, Bristol.                               |
|         | 1894 Dec. 4.      | *BREARLEY, FREDERICK THOMAS                        | { Hawarden Villa, Prescot Road, St. Helen's, Lancs.            |
| TtM m ✕ | 1883 May 29.      | *BREBNER, ALAN, B.Sc. ( <i>Edin.</i> )             | Oficina de Faros, Valparaiso, Chili.                           |
|         | 1880 Feb. 3.      | *BREBNER, ROBERT CHARLES ..                        | 5 Morningside Drive, Edinburgh.                                |
|         | 1890 Mar. 4.      | *BREMNER, ALEXANDER .. ..                          | Damoh, C. P., India.   |
|         | 1895 Dec. 3.      | *BREMNER-DAVIS, WILLIAM JOSEPH                     | 22 Parkfield Street, Manchester.                               |
|         | 1874 May 5.       | BRENAN, GEORGE WOULFE ..                           | Argyll Square, Oban, N.B.                                      |
|         | 1888 Dec. 4.      | *BRENCHELY, JOHN VAUGHAN                           | Glancieirw, Cardigan.  |
|         | 1891 Dec. 1.      | BRERETON, LEONARD .. ..                            | Govt. Rys., Maritzburg, Natal.                                 |
|         | 1885 Apr. 14.     | *BREWER, FRANK .. ..                               | { South Orange and Maplewood Traction Co., Orange Valley, U.S. |
|         | 1883 May 1.       | { BREWSTER, EDWIN HENRY }<br>GEORGE .. .. .        | 12 Delahay St., Westminster, S.W.                              |
|         | 1879 Feb. 4.      | *BRICE, EDWARD ERNEST .. ..                        | G.P.O., Perth, Western Australia.                              |
|         | 1886 Mar. 2.      | *BRICKNELL, FREDERICK WILLIAM                      | Borough Engineer's Office, Hull.                               |
|         | 1891 Jan. 13.     | *BRIDGEWATER, HENRY JOHN ..                        | { L. & N. W.Ry., Crow Trees, Gomersal, Leeds.                  |
|         | 1897 Jan. 12.     | BRIERLEY, BRANDON TALFOURD                         | Ballayre, Lymm, Cheshire.                                      |
|         | 1894 Dec. 4.      | BRIERLEY, JOHN HENRY .. ..                         | Boro' Surv.'s Office, Richmond, S.W.                           |
| ✕       | 1877 Apr. 10.     | BRIFFAULT, FREDERIC .. ..                          | 6 Cathcart Road, Kensington, S.W.                              |
|         | 1884 Dec. 2.      | BRIGDEN, JAMES .. ..                               | 11 Clifton Terrace, Brighton. (37.)                            |
|         | 1891 Dec. 1.      | BRIGGS, CHARLES .. ..                              | Howden, East Yorks.  |
|         | 1889 Mar. 5.      | *BRIGHT, CHARLES, F.R.S.E. ..                      | 53 West Cromwell Road, S.W.                                    |
|         | 1889 Jan. 8.      | *BRIGHT, PHILIP .. ..                              | 2 Newgate Street, E.C.   |
|         | 1886 Jan. 12.     | *BRINCKMAN, WILLIAM HENRY                          | Glan y Bala, Llanberis, N. Wales.                              |
|         | 1886 Apr. 6.      | *BRINE, ERNEST AUGUSTUS ..                         |  |
|         | 1897 Mar. 2.      | BRISTED, RICHARD BOWER ..                          | Wellington, N.Z.   |
|         | 1897 Apr. 6.      | BRISTOW, ARTHUR GEORGE ..                          | 2 Cedars Rd., Clapham Common, S.W.                             |
|         | 1897 Jan. 12.     | { BRISTOW, CHARLES THEODORE }<br>LYTTELTON .. .. . | Princes Risborough, Bucks.                                     |
|         | 1892 Dec. 6.      | BRITTAIN, SAMUEL GEORGE ..                         | { Algeciras Ry., Waterport Wharf, Gibraltar.                   |
|         | 1896 Dec. 1.      | BRITTEN, THOMAS JOHNSON ..                         | Box 494, Johannesburg, Transvaal.                              |
| m ✕     | 1880 Mar. 2.      | *BRITTON, PERCY WILSON ..                          | 30 St. Mary's Rd., Peckham, S.E.                               |
|         | 1894 Dec. 4.      | BROAD, ALBERT EDWARD ..                            | 8 Fitzroy St., Newtown, Sydney, N.S.W.                         |
|         | 1895 Dec. 3.      | *BRODIE, JOHN BOYD .. ..                           | { Eng.'s Office, St. Enoch Station, Glasgow.                   |
|         | 1886 Dec. 7.      | *BRODIE, JOHN SHANKS .. ..                         | Town Hall, Whitehaven.   |
|         | 1886 Dec. 7.      | *BRODIE, ROBERT .. ..                              | Harbour Works, Swansea.  |
|         | 1877 May 29.      | *BRODIE, WILLIAM PATRICK ..                        | Ludhiana, Punjab.  |
|         | 1884 Jan. 8.      | BROOKE, WALTER .. ..                               | 50 London Rd., Rochester.                                      |
|         | 1891 Dec. 1.      | *BROOKS, ALBERT .. ..                              | Keyham Dockyard, Devonport.                                    |
|         | 1891 May 12.      | *BROOKS, ALFRED .. ..                              | Tweed River Harbour Works, N.S.W.                              |
|         | 1890 May 6.       | BROOKS-KING, REGINALD ..                           | Gothic House, Drayton, Abingdon.                               |
|         | 1897 Feb. 2.      | BROSTER, ROBERT BUCK ..                            | { Craven Bank Chambers, North Street, Keighley.                |
|         | 1889 May 21.      | *BROUGH, JOHN WATKINS ..                           | { North's Portland Cement Works, Oostmalle, Belgium.           |
| m       | 1883 May 1.       | *BROUGHTON, URBAN HANLON ..                        | { Isabella Building, Van Buren Street, Chicago, U.S.           |
|         | 1885 Dec. 1.      | *BROUNGER, SYDNEY GEORGE ..                        | King, Hamilton & Co., Calcutta.                                |
|         | 1894 May 1.       | BROWN, ANDREW .. ..                                | { 110 Cannon Street, E.C. (Sequence, London. Bank 647.)        |
|         | 1891 Feb. 3.      | BROWN, ARTHUR CROMPTON ..                          | Admiralty Harbour Works, Dover.                                |
|         | 1885 Dec. 1.      | *BROWN, ARTHUR KAYE .. ..                          |  |
|         | 1890 Apr. 1.      | *BROWN, ARTHUR RICHARD ..                          | { 13 Lime Street, E.C. (Embedded, London.)                     |

| Date of Election. | ASSOCIATE MEMBERS.  |   |
|-------------------|---|---|
| 1884 Feb. 5.      | BROWN, CHARLES EDWIN ..   | 236 Kennington Park Rd., S.E.   |
| 1894 Feb. 6.      | *BROWN, CHARLES SIDNEY VESEY                                      | City Electrical Engineer, Lincoln.                                    |
| 1887 Mar. 1.      | BROWN, EDWARD JOHNSON ..  | Laguna, Sta. Catharina, Brazil.                                       |
| 1883 Dec. 4.      | *BROWN, FREDERICK BENJAMIN  | 2 Oxford Villas, Henley-on-Thames.                                    |
| 1877 Dec. 4.      | *BROWN, GEORGE VAUGHAN ..   | { Wells & Co., 12 North Street, Westminster, S.W. (Moorings, London.) |
| 1882 May 23.      | BROWN, GEORGE WILLIAM ..  | { Troilhattan, Alexandra Road, Reading. (251.) [India.]               |
| 1895 May 21.      | BROWN, HENRY LANE ..  | Municipal Engineer's Office, Benares,                                 |
| 1877 Apr. 10.     | BROWN, JOHN THOMAS ..   | P. W. Office, Hobart, Tasmania.                                       |
| m 1893 Dec. 5.    | *BROWN, JOHN WALTER ..  | 7 Kendoa Road, Clapham, S.W.  |
| 1889 Dec. 3.      | BROWN, JOSEPH WILLIAM ..  | Boro' Engineer, West Hartlepool.                                      |
| 1895 May 21.      | { BROWN, MATTHEW TAYLOR, B.Sc. (Glas.) ..                         | { 194 St. Vincent Street, Glasgow.                                    |
| 1892 Feb. 2.      | *BROWN, PETER BOSWELL ..  | Hecla Works, Sheffield. [N.]  |
| 1897 Mar. 2.      | BROWN, REGINALD ..  | 2 Fairholt Road, Stoke Newington,                                     |
| 1877 Dec. 4.      | BROWN, THOMAS COMMON ..   | 147 Woodbridge Road, Ipswich.   |
| 1897 Dec. 7.      | *BROWN, WILLIAM, B.Sc. (Edin.)                                    | 72A George Street, Edinburgh.   |
| 1895 May 21.      | *BROWNE, GERARD MACLEAY ..  | { 4 Hanbury Street, Kalgoolie, Western Australia.                     |
| 1889 Apr. 2.      | BROWNE, JOHN ..   | Galdames Ry., Portugalete, Spain.                                     |
| 1893 Dec. 5.      | BROWNING, GEORGE ELLIOT ..  | Madras Ry., Podanur, India.   |
| 1889 Dec. 3.      | BROWNING, ROBERT ALEXANDER  | Gasworks, Neath.  |
| 1887 Jan. 11.     | *BROWNRIDGE, CHARLES ..   | Boro' Engineer, Birkenhead.   |
| 1896 Feb. 4.      | BROXUP, CHARLES THOMAS ..   | Loco Supt., Rys. Manila, Philippines.                                 |
| m 1879 Mar. 4.    | *BRUCE, GEORGE BARCLAY ..   | Box 232, Calgary, N.W.T., Canada.                                     |
| 1892 Feb. 2.      | BRUCE, HENRY ..   | County Buildings, Cupar, Fife, N.B.                                   |
| 1895 May 21.      | BRUCE, ROBERT ARTHUR ..   | Brennan Torpedo Factory, Chatham.                                     |
| 1888 Apr. 10.     | { *BRUCE, ROBERT NIGEL DALRYMPLE, Major 3rd W. Riding Regiment .. | { River Don Works, Sheffield.   |
| ✠ 1884 Mar. 4.    | *BRUGES, CHARLES ERNEST ..  | 1 Victoria Street, S.W.   |
| 1886 Apr. 6.      | *BRUNDELL, HENRY AUGUSTUS   | 13 Avenue Road, Doncaster.  |
| 1868 Dec. 1.      | BRUNDELL, RICHARD SHAW ..   | Redholm, Thorn Road, Doncaster.                                       |
| 1889 Apr. 2.      | BRUNDRETT, ALEXANDER ..   | Rhymney Iron Co., Rhymney, Mon.                                       |
| 1885 May 19.      | *BRUNLEES, HOWARD ..  | { 12 Victoria Street, S.W. (Westminster 245.)                         |
| 1884 Jan. 8.      | *BRUNTON, JAMES FORREST ..  | Municipality, Karachi, India.   |
| 1886 May 4.       | BRUNTON, PHILIP GEORGE ..   | Roads & Bridges Dept., Sydney.  |
| 1889 Feb. 5.      | *BRUNTON, SYDNEY LINTON ..  | Are Works, Chelmsford. [N.S.W.]                                       |
| 1892 Dec. 6.      | *BRYDGES, JOHN KEMPE ..   | City Electrical Engineer, Wakefield.                                  |
| 1894 Dec. 4.      | *BUCHAN, JAMES ..   | Bechuanaland Ry., Mafeking, South Africa.                             |
| 1891 Feb. 3.      | { *BUCHANAN, GEORGE CUNNINGHAM ..                                 | { Harbour Engineer, Dundee. [Africa.]                                 |
| 1884 Dec. 2.      | BUCHANAN, JAMES BEAUMONT  | Chadargat, Hyderabad, India.  |
| 1890 Jan. 14.     | *BUCHANAN, JOHN BLAIR ..  | G. N. Scotland Ry., Aberdeen.   |
| 1888 Mar. 6.      | *BUCHANAN, KENNETH HUGH   | 62 Grafton Street, Dublin.  |
| 1895 Dec. 3.      | BUCKLEY, JOSEPH WILLIAM ..  | Gasworks, Falmouth.   |
| 1897 Jan. 12.     | BUCKLEY, MICHAEL JAMES ..   | 41 Rathdown Road, Dublin.   |
| 1894 Feb. 6.      | *BUCKNALL, HARRY ..   | P.W.D., Negombo, Ceylon.  |
| 1890 Feb. 4.      | BUDHBHATTI, KESHAVJI SHANJI                                       | P.W.D., Bhuj, Cutch, India.   |
| 1896 Dec. 1.      | *BULFIN, IGNATIUS, B.A. (Royal)                                   | Navarino, Bournemouth.  |
| 1888 May 15.      | *BULL, HARRY FREESTONE ..   | County Surveyor's Office, Chester.                                    |
| 1881 Dec. 6.      | BULL, JAMES ..  | Valverde, Eaton Gardens, W. Brighton.                                 |
| 1876 Mar. 7.      | BULL, WILLIAM ..  | { c/o Delhi & London Bank, 123 Bishopsgate Street, E.C.               |
| 1885 Dec. 1.      | BULLOCK, CYRUS ..   | 67 King Street, Manchester.   |
| 1887 Mar. 1.      | BULLOCK, FRANK ..   | 150 Leadenhall Street, E.C.   |
| 1885 May 19.      | BULLOUGH, ROBERT CROSSLEY   | L. & N. W. Ry., Gomersal, Leeds.                                      |
| 1890 Dec. 2.      | BULLOUGH, THOMAS ALLEN ..   | { Delfside, Deacon Road, Appleton, Widnes. [Clifton, Bristol.]        |
| 1897 Apr. 6.      | BULMAN, HARRISON FRANCIS ..                                       | Rosville, Richmond Hill Avenue,                                       |
| 1890 Feb. 4.      | BULMER, GEORGE HARLEY ..  | West Galicia Ry., Pontevedra, Spain.                                  |

| Date of Election. |     | ASSOCIATE MEMBERS.   |  |
|-------------------|-----|--|--|
| 1891 Dec.         | 1.  | *BULTEEL, HILLERSDEN ..  | Naval Bank, Plymouth.  |
| 1883 Dec.         | 4.  | *BUNNING, CHARLES ZIETHEN ..   | { Borax Co., 2 Macri Khan, Constantinople.                           |
| 1891 Apr.         | 7.  | { BURDEN, ALEXANDER MITCHELL, B.E. (Royal) ..                            | { County Surveyor, Kilkenny.   |
| 1874 Jan.         | 13. | *BURDER, WALTER CHAPMAN ..   | Horticultural Works, Loughborough.                                   |
| 1896 Jan.         | 14. | BURDON, JOHN .. .. .   | 101 Grosvenor Road, S.W.   |
| 1892 Apr.         | 5.  | *BURGESS, ARTHUR JOHN ..   | { 20 Chesterfield Road, St. Andrews, Bristol.                        |
| 1888 Dec.         | 4.  | *BURGESS, SAMUEL EDWIN ..  | Boro' Engineer, South Shields.                                       |
| 1898 Mar.         | 1.  | { BURKITT, JAMES PARSONS, B.E. (Royal) ..                                | { P.O., Letterkenny, co. Donegal.                                    |
| ✱ 1898 Mar.       | 1.  | BURLS, GEORGE ARTHUR ..  | { Heath View, Westcombe Park Rd., Blackheath, S.E.                   |
| 1888 Dec.         | 4.  | BURMAN, ERNEST SYDNEY ..   | Town Hall, Melbourne, Victoria.                                      |
| 1893 Dec.         | 5.  | *BURN, GEORGE FRANK .. ..  | 24 Brunsfield Gardens, Edinburgh.                                    |
| 1895 Dec.         | 3.  | *BURNE, EDWARD LANCASTER   | Church Acre Works, Guildford.  |
| 1894 Mar.         | 6.  | *BURNETT, CUTHBERT MILLER  | 24 Portland Street, Southampton.                                     |
| 1886 Apr.         | 6.  | *BURRELL, LEONARD .. .. .  | 37 Rua Santa Luzia, Rio de Janeiro.                                  |
| 1895 Dec.         | 3.  | *BURROUGH, EDWARD SAVILLE  | Eanswythe, Thornton Heath.   |
| 1893 Apr.         | 11. | BURROW, WILLIAM FREDERICK  | D. P. W., Kempsey Bridge, N.S.W.                                     |
| 1895 May          | 21. | BURROWS, EDMUND .. .. .  | Divine, Gates & Co., Cape Town, C.C.                                 |
| 1892 Dec.         | 6.  | { BURSTALL, Professor HENRY, FREDERICK WILLIAM, M.A. (Cantab.) ..        | { Mason College, Birmingham.   |
| 1885 May          | 19. | BURT, ARTHUR HAZELDEIN ..  | Manly, New South Wales.  |
| 1883 May          | 29. | *BURT, HENRY PARSALL .. ..   | N. W. Ry., Lahore, India.  |
| 1896 Dec.         | 1.  | *BURTON, AMOS .. .. .  | Asst. Borough Eng., Hanley, Staffs.                                  |
| 1890 Dec.         | 2.  | { *BURTON, EDWARD, M.A. (Cantab.) ..                                     | { Linton Croft, near Clitheroe.                                      |
| 1885 Dec.         | 1.  | *BURTON, GEORGE LEWIS ..   | { Warren Road, Blundellsands, Liverpool.                             |
| ✱ 1891 May        | 5.  | { BURTON, Professor WILLIAM KINNINMOND ..                                | { Engineering College, Tokio, Japan.                                 |
| 1894 Dec.         | 4.  | BUSH, ROBERT, B.A. (Oxon.) ..  | Dockyard, Liverpool.   |
| 1881 May          | 31. | { BUSK, CHARLES WESTLY, M.A. (Cantab.) ..                                | { Kokanee Creek, Nelson, British Columbia.                           |
| 1896 Dec.         | 1.  | BUTCHER, ARTHUR HOLT .. ..   | Hillgrove Station, Coonoor, Madras.                                  |
| ✱ 1895 Feb.       | 5.  | BUTLER, DAVID BUTLER .. ..   | 41 Old Queen St., Westminster, S.W.                                  |
| 1884 Feb.         | 5.  | BUTLER, JAMES .. .. .  | Box 420, Johannesburg, Transvaal.                                    |
| 1881 Dec.         | 6.  | *BUTLER, JAMES SAMUEL .. ..  | Brown St., Hamilton, Victoria.                                       |
| 1874 May          | 5.  | BUTLER, WILLIAM FREDERIC ..  | Cae Bryn, Wrexham.   |
| 1888 Dec.         | 4.  | { BUTLER, Professor WILLIAM, ROBERT, M.E. (King's Coll., Nova Scotia) .. | { Royal Military College, Kingston Ont., Canada.                     |
| 1881 Dec.         | 6.  | BUTT, HENRY WILLIAM .. ..  | { Eng.'s Office, S.E. Ry., London Bridge, S.E.                       |
| 1887 Apr.         | 5.  | *BYNG, EDMUND HENRY .. ..  | Dancer's Hill, Barnet.   |
| 1889 Dec.         | 3.  | BYRES, DAVID THOMSON .. ..   | 104 Hamilton Place, Aberdeen.  |
| 1895 Dec.         | 3.  | BYRNE, FRANCIS FURLONG ..  |  |
| 1877 Dec.         | 4.  | CABEZAS, ADOLFO GARCIA .. ..   | Matagorda Graving Dock, Cadiz.                                       |
| 1889 Jan.         | 8.  | CABLE, HENRY DARLINGTON ..   | Brooklyn, Walsingham Rd., Hove.                                      |
| ✱ 1892 Dec.       | 6.  | *CAACCIA, JULIAN EDWARD ..   | 24 Via Gino Capponi, Florence.                                       |
| 1882 May          | 2.  | *CAFFIN, FRANCIS CRAWFORD  | 23 Beaufort Road, Clifton, Bristol.                                  |
| 1890 May          | 20. | *CAFFIN, HERBERT ALEXANDER   | L.B. & S.C. Ry., Coulsdon Contract, Guildhall, Worcester. [Merstham. |
| 1894 Jan.         | 9.  | CAINE, THOMAS .. .. .  | City Engineer, Cape Town, C.C.                                       |
| 1886 Dec.         | 7.  | CAIRNCROSS, THOMAS WILSON  | { Bridgewater Hotel, Worsley, Manchester.                            |
| 1891 Apr.         | 7.  | *CAIRNES, FREDERICK EVELYN   |  |
| 1883 Dec.         | 4.  | *CALDICOTT, HARVEY .. ..   | The Cedars, Worcester.   |

Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |  |  |
|-----|---------------|--|--|
|     | 1887 May 24.  | CALLAN, NICHOLAS .. ..   | Harbour Engineer, Dundalk.   |
| ✦   | 1892 Dec. 6.  | CALLAWAY, HUGH .. ..   | Guildroft, Guildford.  |
|     | 1884 May 6.   | CALLCOTT, JOHN HOPE .. ..  | Deputy-Surveyor-Gen., Penang, S.S.   |
|     | 1886 Dec. 7.  | CALLEN, THOMAS .. ..   | Boro' Engineer, Kimberley, C.C.  |
|     | 1894 Dec. 4.  | *CALVERT, THOMAS COPLEY ..   | Maybank, Manly, N.S.W.   |
|     | 1885 Apr. 14. | CAMERON, JAMES .. ..   | { 1 Maitland Avenue, Langside, Glas-<br>gow.   |
|     | 1893 Dec. 5.  | CAMERON, JOHN MINDORO ..   | D.P.W., Kempsey, N.S.W.  |
|     | 1891 Dec. 1.  | { CAMERON, WILLIAM LOCHIEL<br>SAPTE LOVETT .. ..                       | { H. S. King & Co., 45 Pall Mall,<br>S.W.  |
|     | 1887 Dec. 6.  | *CAMPBELL, ADAM HORSEBURGH   | City Surveyor, Canterbury.   |
|     | 1885 Apr. 14. | CAMPBELL, ALBERT JOHNSTONE   | 17 Cleveland Gardens, W.   |
|     | 1886 May 4.   | CAMPBELL, GEORGE MURRAY ..   | Baythorne, Horley, Surrey.   |
|     | 1887 Apr. 5.  | CAMPBELL, KENNETH FINDLATER  | Boro' Engineer Office, Huddersfield.   |
|     | 1883 Dec. 4.  | CAMPBELL, ROBERT LEWIS ..  | 65 Thornhill Road, West Croydon.   |
|     | 1886 Mar. 2.  | CAMPBELL, WALTER HOPE ..   | { Egerton, Hubbard & Co., St. Peters-<br>burg.   |
|     | 1875 Apr. 6.  | *CAMPBELL, WILLIAM DUGALD  | { Cremorne Street, South Perth, W.<br>Australia.                                       |
|     | 1881 Apr. 5.  | CAMPBELL-THOMPSON, JOHN ..   | Hull.  |
|     | 1894 May 22.  | *CAMPION, FREDERIC ARTHUR  | Eng.'s Dept., G.N.Ry., King's Cross, N.  |
|     | 1888 Apr. 10. | *CAMPION, ROBERT WILLIAM ..  | G.I.P. Ry., Bombay.  |
|     | 1892 Apr. 5.  | CANBY, THOMAS .. ..  | L. & N. W. Ry., Walsall.   |
|     | 1889 Feb. 5.  | CANDLER, THOMAS EDWARD ..  | c.o. Panga Co., 15 Gt. St. Helen's, E.C.   |
|     | 1878 Feb. 5.  | CANET, GUSTAVE ADOLPHE ..  | 1 Boulevard Malesherbes, Paris.  |
|     | 1886 Jan. 12. | CANNING, THOMAS .. ..  | { Aragon House, Clytha Park, New-<br>port, Mon.  |
| m ✦ | 1890 Jan. 14. | { *CAPPER, <i>Professor</i> DAVID SING,<br>M.A. ( <i>Edin.</i> ) .. .. | { King's College, Strand, W.C.   |
|     | 1885 Dec. 1.  | *CAPRON, ATHOL JOHN .. ..  | The Mount, Erith, Kent.  |
|     | 1890 Jan. 14. | CARDEW, JOHN HAYDON .. ..  | 75 Pitt St., Sydney, N.S.W. (436.)   |
|     | 1875 Feb. 2.  | *CARDOZO, FRANCISCO CORREA DE M.                                       | Pernambuco.  |
|     | 1896 Mar. 3.  | *CAREW-GIBSON, HARRY FREDERICK   | { Topham, Jones & Railton, New<br>Bute Dock, Cardiff.                                  |
|     | 1893 Feb. 7.  | *CAREW-GIBSON, JOHN GEORGE   | Fawley Lodge, Hythe, Southampton.  |
|     | 1888 Jan. 10. | *CAREY, EVELYN GEORGE ..   | Sunnyside Av., Uddingston, Glasgow.  |
|     | 1871 Mar. 7.  | *CARFRAE, JAMES ALSTON ..  | Holme Lodge, Wimbledon, S.W.   |
|     | 1877 Dec. 4.  | CARLINE, JOHN .. ..  | Merivale, Catford Bridge, S.E.   |
|     | 1894 Feb. 6.  | *CARMICHAEL, GEORGE HENRY  | Swartha, Silsden, nr. Keighley.  |
|     | 1891 Mar. 3.  | *CARNE, FREDERICK WILLIAM ..   | Rosemundy, St. Agnes, Cornwall.  |
| m ✦ | 1893 Dec. 5.  | *CARNEGIE, DAVID .. ..   | { 26 Acacia Villas, Plumstead Com-<br>mon, S.E.  |
|     | 1889 Dec. 3.  | *CARPENTER, JESSE FAIRFIELD  | Cazenovia, New York, U.S.  |
|     | 1889 Apr. 2.  | CARPENTER, WILLIAM JOHN ..   | Gasworks, Great Yarmouth.  |
|     | 1891 Mar. 3.  | *CARPMAEL, HENRY GIFFORD ..  | Uganda Ry., Mombasa, E. Africa.  |
|     | 1897 Apr. 6.  | CARPMAEL, HERBERT .. ..  | 375 Norwood Road, S.E.   |
|     | 1892 Jan. 12. | CARR, ISAAC .. ..  | Gas and Waterworks, Widnes.  |
|     | 1894 Feb. 6.  | *CARR, LAWRENCE STATTER ..   | 5 De Burgh Crescent, West Drayton.   |
|     | 1891 Apr. 7.  | *CARR, ROBERT ALFRED .. ..   | 1 West Pier, London Dock, E.   |
|     | 1889 Dec. 3.  | *CARRICK, HENRY HAWKSHAW   | 8 Azalea Avenue, Sunderland.   |
|     | 1896 Jan. 14. | *CARROLL, ALEXANDER ERNEST   | { L. B. & S. C. Ry., Eng.'s Office,<br>London Bridge, S.E.                             |
|     | 1894 Dec. 4.  | *CARTE, HUMFREY ALLEYNE ..   | P.W.D., Galle, Ceylon.   |
|     | 1892 Dec. 6.  | *CARTE, RALPH GEORGE .. ..   | City Engineer's Office, Leeds.   |
|     | 1894 Dec. 4.  | *CARTER, GEORGE FEARNLEY ..  | { 65 Victoria Street, S.W. (Sanita-<br>tion, London.)                                  |
|     | 1871 Dec. 5.  | *CARTER, HENRY .. ..   | { H. S. King & Co., 45 Pall Mall, S.W.   |
|     | 1884 Dec. 2.  | *CARTER, RODERICK EDMOND ..  | Maryport and Carlisle Ry., Maryport.   |
|     | 1876 Feb. 1.  | *CARTMELL, JOSEPH .. ..  | P.W.D., Cyprus.  |
|     | 1895 Mar. 5.  | *CARTWRIGHT, FRANK .. ..   | { *CARUS - WILSON, <i>Professor</i><br>CHARLES ASHLEY,<br>M.A. ( <i>Camab.</i> ) .. .. |
|     | 1887 Dec. 6.  | {  | { Hanover Lodge, Kensington Park,<br>W.  |



| Date of Election. |   | ASSOCIATE MEMBERS.             |  |
|-------------------|---|--------------------------------|--|
| 1880 Dec. 7.      |   | CARVOSSO, JAMES HUSBAND ..     | Gas Co., Dartford.                     |
| 1890 Jan. 14.     |   | *CARY, ARTHUR PITT CHAMBERS    | 41 Kitto Road, Nunhead, S.E.           |
| 1881 Apr. 5.      |   | CARY, SLYARDE BERNARD ..       | Himalaya Ry., Darjeeling, India.       |
| 1882 May 2.       |   | CASE, EDWARD .. .. .           | New Hall, Dymchurch, Kent.             |
| 1892 Jan. 12.     |   | CASEBOURNE, CHARLES BASTOW     | { 23 Brougham Terrace, West Hartle-    |
|                   |   |                                | pool.                                  |
| 1891 Jan. 13.     |   | { *CASHMAN, WILLIAM ALOYSIUS,  | Eng.'s Off., G.W.Ry., Cardiff.         |
|                   |   | { B.E. (Royal) .. .. .         |  |
| 1891 Dec. 1.      |   | CASTILLA, HENRY COUPER ..      | P.W.D., Perth, Western Australia.      |
| 1884 Apr. 1.      |   | { CAVALCANTI, JOSÉ BARBALHO    | Rua da Alfandega 6, Rio de Janeiro.    |
|                   |   | { UCHÔA .. .. .                |  |
| 1892 Apr. 5.      |   | CAWS, BYRON FRANK .. ..        | { Douglas House, Sea View, Isle of     |
|                   |   |                                | Wight.                                 |
| 1882 Mar. 7.      |   | *CHADWICK, WILLIAM, F.C.H.     | King, Hamilton & Co., Calcutta.        |
| 1889 Dec. 3.      |   | CHALCRAFT, GEORGE BARKER       | Great Central Ry., Leicester.          |
| 1893 Dec. 5.      |   | CHALMERS, GEORGE .. ..         | { St. John del Rey Mines, Morro Velho, |
|                   |   |                                | Brazil.                                |
| 1894 Mar. 6.      |   | CHALMERS, NATHANIEL .. ..      | { Ry. Construction Branch, Sydney      |
|                   |   |                                | N.S.W.                                 |
| 1890 Mar. 4.      |   | *CHAMBERS, CHARLES, JUN. ..    | T. Cook & Son, Ludgate Circus, E.C.    |
| 1897 Mar. 2.      |   | CHAMBERS, MARCUS STANLEY       | Electric Light Office, Gibraltar.      |
| 1893 Apr. 11.     |   | CHAMPION, ALFRED JOHN ..       | 12 Dartmouth St., Westminster, S.W.    |
| 1891 Jan. 13.     | ✠ | CHAMPION, HENRY VINE ..        | Surveyor, Williamstown, Victoria.      |
| 1878 Feb. 5.      |   | CHANCELLOR, JOHN THORNTON      | 104 Queen Victoria Street, E.C.        |
| 1880 Feb. 3.      |   | CHANDLER, JOSEPH GEORGE ..     | Ladywood, Little Park, Enfield.        |
| 1886 Dec. 7.      |   | CHAPMAN, ALBERT BARNES ..      | Court House Chambers, Buxton.          |
| 1883 Apr. 3.      |   | *CHAPMAN, ARTHUR DODWELL       | Govt. Rys., Cape Town, C.C.            |
| 1897 Apr. 6.      |   | CHAPMAN, GEORGE GRANT ..       | Albany, Western Australia.             |
| 1888 Dec. 4.      |   | CHAPMAN, GEORGE JAMES ..       | R. E. Office, Hong Kong.               |
| 1876 Mar. 7.      |   | CHAPMAN, JAMES LAWRENCE ..     | Woodcroft, Harrow-on-the-Hill.         |
| 1894 Dec. 4.      |   | *CHAPMAN, SAMUEL CHRISTOPHER   | Sheepstor, Horrabridge, S. Devon.      |
| 1892 May 3.       |   | *CHAPMAN, THOMAS HOWARD ..     | P. W. D., Badulla, Ceylon.             |
| 1886 Apr. 6.      |   | *CHARNOCK, GEORGE FREDERICK    | Technical College, Bradford.           |
| 1887 Mar. 1.      |   | *CHARRINGTON, EDMUND .. ..     | Mayfield, Chislehurst. [C.C.           |
| 1892 Mar. 1.      |   | *CHARTERS, ROBERT HEARN ..     | 6 St. George's Chambers, Cape Town,    |
| m ✠ 1892 Dec. 6.  |   | { *CHATTERTON, ALFRED, B.Sc.   | College of Engineering, Madras.        |
|                   |   | { (Lond.) .. .. .              |  |
| m 1894 Apr. 3.    |   | *CHATTERTON, BERTRAM .. ..     | 10 Mundania Rd., Peckham Rye, S.E.     |
| 1881 Dec. 6.      |   | *CHAUNTLER, FRANK .. ..        | { Easton and Church Hope Ry.,          |
|                   |   |                                | Portland.                              |
| 1885 Feb. 3.      |   | { *CHESTER, ALFRED BENIGNO     | Selkirk Villa, Cheltenham.             |
|                   |   | { ALEXANDER .. .. .            |  |
| 1898 Feb. 1.      |   | { CHETWYND, HENRY GOULBURN     | Chipstead Valley Ry., Burgh Heath,     |
|                   |   | { WILLOUGHBY .. .. .           |  |
| 1886 Apr. 6.      |   | CHILD, GEORGE CHARLES ..       | { Kingston Metal Works, Smethwick,     |
|                   |   |                                | Birmingham.                            |
| ✠ 1889 May 21.    |   | CHILD, WILLIAM SAMUEL ..       | Harbour Engineer, Aden.                |
| 1883 May 29.      |   | { *CHIPPERFIELD, WILLIAM       | North Street, Atherstone.              |
|                   |   | { RICHARD HOPKINS .. ..        |  |
| 1890 Dec. 2.      |   | CHIRICO, EVARISTO DE .. ..     | Volo, Thessaly, Greece.                |
| 1888 May 1.       |   | *CHISHOLM, ROSS .. .. .        | Madras Railway, Madras.                |
| 1894 Feb. 6.      |   | { *CHRIST, HARRY GEORGE, B.Sc. | 8 Kestrel Avenue, Herne Hill, S.E.     |
|                   |   | { (Lond.) .. .. .              |  |
| 1881 Dec. 6.      |   | CHRISTIE, HARRY BATHURST ..    | P. W. D., Badulla, Ceylon.             |
| 1890 Feb. 4.      |   | CHRISTIE, WILLIAM INNES ..     | { Central Ry., Rosario de Santa Fé,    |
|                   |   |                                | Argentina.                             |
| 1886 Dec. 7.      |   | *CHUBB, HARRY WITHERS ..       | 43 Glengall Rd., Old Kent Rd., S.E.    |
| 1897 Dec. 7.      |   | CHURCH, RICHARD JAMES ..       | Uganda Ry., Mombasa, East Africa.      |
| 1897 Feb. 2.      |   | CHURCHWARD, GEORGE JACKSON     | Fairholme, Swindon.                    |
| ✠ 1879 Feb. 4.    |   | { *CHURCHWARD, WILLIAM PAT-    | Via Carlo Farini 9, Milano.            |
|                   |   | { RICK .. .. .                 |  |
| 1893 Dec. 5.      |   | *CHUTE, JOHN HENRY CHALONER    | Castle Coote, Roscommon, Ireland.      |
| 1883 Jan. 9.      |   | CLARE, JESSE .. .. .           | Sleaford, Lines.                       |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                    |   |   |
|--------------------|---|---|
| 1885 Dec. 1.       | CLARK, ALEXANDER .. ..                                    | Kirkcaldy, Fife, N.B.   |
| ✱ 1888 Dec. 4.     | *CLARK, EDWARD GEORGE ..                                  | { Compañia Electricidad del Rio de La Plata, Buenos Aires.                        |
| 1897 Jan. 12.      | { CLARK, GEORGE MUIRHEAD, B.A. ( <i>Cantab.</i> ) .. .. } | Westminster Electric Supply Corporation, Eccleston Place, S.W.                    |
| 1891 Feb. 3.       | *CLARK, GILBERT .. ..                                     | 54 Coldra Road, Newport, Mon.   |
| 1893 Dec. 5.       | CLARK, JAMES LAUGHLIN ..                                  | P.W.D., Port of Spain, Trinidad.  |
| 1897 Dec. 7.       | { CLARK, LINDESAY COLVIN, M.C.E. ( <i>Melb.</i> ) .. .. } | Mount Lyell, Tasmania.  |
| 1894 Dec. 4.       | *CLARK, WILLIAM BETHAM ..                                 | { J. W. Dooman, Demerara Ry., Georgetown, British Guiana.                         |
| 1891 May 5.        | CLARK, WILLIAM FREDERICK ..                               | The Poplars, Aldridge, Walsall.   |
| 1886 May 18.       | CLARKE, CHARLES HARWOOD ..                                | 11 Hermitage Road, Richmond, S.W.   |
| 1890 Apr. 1.       | *CLARKE, CHARLES STANLEY ..                               | { Estancia Augusta, Hinojo, F.C.Sud, Buenos Aires.                                |
| 1893 Feb. 7.       | *CLARKE, EDMUND .. ..                                     | { Australian Buildings, Elizabeth St., Melbourne, Victoria.                       |
| 1892 Dec. 6.       | *CLARKE, EDWARD .. ..                                     | P.W.D., Selangor, S.S.  |
| 1883 Dec. 4.       | CLARKE, HENRY WILLIAM ..                                  | New Bute Dock Contract, Cardiff.  |
| 1896 May 19.       | CLARKE, HERBERT .. ..                                     | { 2 Grant's Lane, Boston, Lines. (Clarke, Engineer, Boston.)                      |
| 1896 Dec. 1.       | CLARKE, HERBERT GEORGE ..                                 | City Engineer's Office, Liverpool.  |
| 1889 Dec. 3.       | *CLARKE, JOHN FOLLIOTT MOSTYN                             | { 18 Goldhurst Terrace E., South Hampstead, N.W.                                  |
| 1893 May 16.       | { CLARKE, RICHARD FREDERICK DODD .. .. }                  | Watson & Co., 7 Waterloo Place, S.W.  |
| 1888 Dec. 4.       | CLARKE, WILLIAM JOHN ..                                   | { Admiralty, 21 Northumberland Avenue, W.C.                                       |
| 1890 Dec. 2.       | *CLARKSON, THOMAS .. ..                                   | { Clarkson & Capel Steam Car Syndicate, Deverell St., Gt. Dover St., S.E.         |
| 1895 Dec. 3.       | *CLAYPOOLE, ALBERT HENRY ..                               | City Engineer's Office, Bristol.  |
| 1865 May 2.        | CLAYTON, ALFRED .. ..                                     | { Equitable Buildings, Collins Street, Melbourne, Victoria.                       |
| 1893 Jan. 10.      | *CLAYTON, FRANK, F.C.H. ..                                | King, King & Co., Bombay.   |
| 1895 Dec. 3.       | *CLAYTON, RICHARD HAWORTH                                 | 41 Avenue Parade, Accrington.   |
| 1888 Dec. 4.       | *CLEAVER, HENRY LOWTHIAN ..                               | H. S. King & Co., 65 Cornhill, E.C.   |
| 1879 Mar. 4.       | CLEGG, BENJAMIN .. ..                                     | 2 Burlington Place, Altrincham.   |
| 1881 Mar. 1.       | *CLEGG, CHARLES .. ..                                     | Club de Estrangeros, Buenos Aires.  |
| 1892 May 3.        | CLEGHORN, ALEXANDER .. ..                                 | Datcha, Scotstounhill, Glasgow.   |
| ✱ 1884 Apr. 1.     | CLEMES, JOHN HENRY .. ..                                  | Vista, Mt. Wise, Newquay, Cornwall.   |
| 1884 May 27.       | CLEMINSHAW, THOMAS STANLEY                                | Gas Co., Colombo, Ceylon.   |
| 1879 Mar. 4.       | CLEMINSON, JOHN .. ..                                     | { St. Paul's Chambers, Ludgate Hill, E.C.   |
| 1872 Dec. 3.       | CLEMMY, WILLIAM HENRY ..                                  | 39 Trinity Road, Bootle, Liverpool.   |
| W t ✱ 1889 Jan. 8. | CLERK, DUGALD .. ..                                       | { 18 Southampton Buildings, Chancery Lane, W.C. (Abecedary, London. Holborn 836.) |
| 1888 Dec. 4.       | *CLIFTON, COURTENAY THORNTON                              | Ministry of Public Works, Cairo.  |
| 1874 May 12.       | CLIMIE, WILLIAM .. ..                                     | Granada, Nicaragua.   |
| 1893 Dec. 5.       | *CLIREHUGH, STAMFORD VAIR                                 | 78 King Street, Manchester.   |
| 1891 Dec. 1.       | CLOUGH, ALFRED .. ..                                      | 74 Lark Lane, Sefton Park, Liverpool.   |
| 1877 Dec. 4.       | CLOUGH, CHARLES FREDERIC ..                               | { Southern Ry., Mount Barker, South Australia.                                    |
| 1891 Dec. 1.       | { COAKES, GEORGE SHOREY, B.A. ( <i>Cape</i> ) .. .. }     | 116 St. George's Street, Durban, Natal.   |
| 1889 Dec. 3.       | COALES, HERBERT GEORGE ..                                 | District Council, Market Harborough.  |
| 1885 Feb. 3.       | COATES, THOMAS .. ..                                      | The Poplars, Darlington.  |
| 1886 Feb. 2.       | COATES, WILLIAM .. ..                                     | { 71 Cecil Avenue, Horton Park, Bradford.   |
| 1890 Dec. 2.       | COATH, DAVID DECIMUS .. ..                                | Rangoon Foundry, Burma.   |
| 1895 May 21.       | { *COBB, FREDERIC EDWARD THEODORE .. .. }                 | Victorian Water Supply Dept., Melbourne.  |
| 1864 Jan. 12.      | COBB, GEORGE HENRY .. ..                                  | Grosvenor Hotel, Pimlico, S.W.  |

| Date of Election. |   | ASSOCIATE MEMBERS.   |           |
|-------------------|---|--|-----------|
| 1893 Dec. 5.      | COBBETT, WILBERFORCE ..                               | 62 West Street, Fareham, Hants.                                |           |
| 1879 Apr. 1.      | COBBOLD, EDGAR STERLING ..                            | All Stretton, Church Stretton, Salop.                          |           |
| 1892 Dec. 6.      | *COCHEME, ALFRED ERNEST ..                            | Sirhind Canal, Ferozepore, India.                              |           |
| 1889 Mar. 5.      | *COCHRANE, FRANCIS JAMES ..                           | { 23 Woodland Hill, Upper Norwood, S.E.                        |           |
| 1890 Apr. 1.      | COCKEURN, ROBERT .. ..                                | Pennoxstone Court, Ross, Hereford.                             |           |
| 1889 Mar. 5.      | COCKBURN, SIDNEY MANTHORP                             | { Temperley Transporter Co., 72 Bishopsgate Street, E.C.       |           |
| 1898 Jan. 11.     | COCKEY, FREDERICK GEORGE ..                           | Gasworks, Newport, I.W.  |           |
| ✠ 1890 Feb. 4.    | COCKRILL, JOHN WILLIAM ..                             | Boro' Surveyor, Great Yarmouth.                                |           |
| 1894 May 1.       | COCKRILL, THOMAS .. ..                                | Hamlet Villa, Haverhill, Suffolk.                              |           |
| 1888 Feb. 7.      | *COCKSHOTT, FRANCIS EDWARD                            | E. I. Ry., Calcutta.   |           |
| 1896 Feb. 4.      | { CODLING, EDWIN, B.Sc. (Durham) .. .. }              | 52 Corporation Street, Manchester.                             |           |
| 1891 Feb. 3.      | COE, DAVID .. .. .                                    | F. Adams, Jalapa, Mexico.                                      |           |
| ✠ 1886 Apr. 6.    | *COLE, CHARLES JOHN .. ..                             | H. S. King & Co., 65 Cornhill, E.C.                            |           |
| 1876 Mar. 7.      | COLE, THOMAS .. .. .                                  | { 11 Victoria Street, S.W. (Bisecting, London.)                |           |
| 1890 Dec. 2.      | *COLE, WILLIAM BARTHOLOMEW                            | 9 Thornhill Road, Leyton, E.                                   |           |
| 1895 Mar. 5.      | COLEMAN, FREDERICK ALBERT                             | 65 Calabria Road, Highbury, N.                                 |           |
| 1893 Feb. 7.      | *COLES, FRANCIS GEORGE ..                             | 25 The Avenue, Southampton.                                    |           |
| 1886 Dec. 7.      | *COLES, WALTER JOSEPH ..                              | The Gables, Bass Street, Derby.                                |           |
| 1894 Mar. 6.      | { COLLEN, WILLIAM .. .. }                             | County Surveyor, 9 Hume St., Dublin.                           |           |
|                   | { M.A., B.A.I. (Dubl.) .. .. }                        |  |           |
| 1893 Jan. 10.     | { COLLIER, HUGH MORTIMER HERBERT .. .. . }            | Resident Eng., North Metropolitan Railway, Limehouse Basin, E. |           |
| 1887 Dec. 6.      | COLLIN, ALFRED JONES .. ..                            | Cambrian Rys., Oswestry.                                       |           |
| 1892 Dec. 6.      | *COLLINS, ADRIAN CHARLES ..                           | 61 Old Broad Street, E.C.                                      |           |
| 1887 Dec. 6.      | COLLINS, ARTHUR ELLISTON ..                           | City Engineer, Norwich.  |           |
| ✠ 1891 Dec. 1.    | *COLLINS, HENRY FRANCIS ..                            | { Mina de Santa Fé, Teapa de Tabasco, Mexico.                  |           |
| 1877 Mar. 6.      | COLLINS, HENRY RAMSAY ..                              | Durban, Natal.   | [chester. |
| 1895 Dec. 3.      | COLLINS, W. HEPWORTH ..                               | O. M. Wihl, 34 Kennedy St., Man-                               |           |
| 1897 Mar. 2.      | *COLLINSON, ARTHUR .. ..                              | 52 Lovaine Place, Newcastle-on-Tyne.                           |           |
| 1897 Apr. 6.      | *COLLIS, OLIVER JAMES .. ..                           | Harbour Board, Townsville, Queens-                             |           |
| 1891 Mar. 3.      | *COLLIS, WILLIAM HENRY .. ..                          | 4 Mulgrave Street, Liverpool.                                  | [land.    |
| 1881 Dec. 6.      | COLQUHOUN, ARCHIBALD ROSS                             | 177 King's Rd., Camden Town, N.W.                              |           |
| t ✠ 1888 Mar. 6.  | *COLQUHOUN, WILLIAM .. ..                             | 18A South Castle Street, Liverpool.                            |           |
| ✠ 1890 Feb. 4.    | *COLSON, CHARLES HENRY ..                             | H. M. Dockyard, Pembroke.                                      |           |
| 1882 Apr. 4.      | COLSON, WILLIAM .. .. .                               | New Dock Works, Southampton.                                   |           |
| 1887 May 24.      | { *COLTON, CHARLES ANDERSON }<br>COWARD .. .. .       | Gasworks, Sydney, N.S.W.                                       |           |
| 1898 Feb. 1.      | { *COLYER, MORETON JOHN }<br>GODDEN, B.E. (Sydney) .. | Claremont, near Perth, Western Australia.                      |           |
| 1872 Apr. 9.      | COMPTON, EDMUND .. .. .                               | Maranhao, Brazil.  |           |
| 1884 Dec. 2.      | { COMPTON-BRACEBRIDGE, JOHN }<br>EDWARD .. .. .       | Feldholm, Queen's Ride, Barnes Common, S.W.                    |           |
| 1887 Dec. 6.      | CONCEIÇÃO, JOSÉ MARIA DA ..                           | Caixa 321, Rio de Janeiro.                                     |           |
| 1889 Dec. 3.      | { CONDON, DANIEL EDWARD, }<br>M.E. (Queen's) .. .. .  | 89 Donohoe Building, San Francisco, U.S.                       | [India.   |
| 1890 Mar. 4.      | *CONES, JAMES ALFRED .. ..                            | L. Ganges Canal, Mainpuri, N.W.P.                              |           |
| 1888 May 15.      | CONY, JOHN ROBERT .. ..                               | Meadowfield, Sleaford, Lincs.                                  |           |
| 1897 Jan. 12.     | CONNER, BENJAMIN .. .. .                              | 9 Scott Street, Glasgow.                                       |           |
| 1891 Dec. 1.      | { CONNERY, DANIEL, }<br>M.E. (Queen's) .. .. .        | Price & Wills, 15 Gt. George St., S.W.                         |           |
| 1896 Dec. 1.      | *CONRADI, JULES FERDINAND ..                          | Great Central Ry., Manchester.                                 |           |
| 1892 Dec. 6.      | CONSTANTINE, EZEKIEL GRAYSON                          | 17 St. Ann's Square, Manchester.                               |           |
| 1892 May 3.       | *CONYERS, SIDNEY WARD .. ..                           | Ry. Construction Dept., Sydney, N.S.W.                         |           |
| 1874 Feb. 3.      | CONYERS, WILLIAM .. .. .                              | 483 Collins St., Melbourne, Victoria.                          |           |
| 1887 Dec. 6.      | *COOK, FRANK PLANT .. .. .                            | Mansfield Woodhouse, Notts.                                    |           |
| 1893 Jan. 10.     | COOK, JOHN .. .. .                                    | Borough Surveyor, Lancaster.                                   |           |
| 1882 May 23.      | COOKE, CHARLES EDWARD ..                              | { Challinor House, Pitt Street, Auckland, N.Z.                 |           |

Date of  
Election.

## ASSOCIATE MEMBERS.

|       |               |  |   |
|-------|---------------|--|---|
|       | 1883 May 20.  | *COOKE, FREDERICK GEORGE ..  | 3 Hyde Gardens, Eastbourne.                                       |
|       | 1876 Dec. 5.  | { COOKE, Professor SAMUEL, ..<br>M.A. ( <i>Dubl.</i> ) .. .. }       | Civil Engineering College, Poona,<br>Bombay.                      |
|       | 1897 Mar. 2.  | COOKE, STUART BLASHFIELD REA   | 21 York Place, Edinburgh.   |
|       | 1895 Feb. 5.  | COOKSEY, DANIEL FREDERICK  | { Corsley Villa, Western Elms Avenue,<br>Reading. [W.]            |
|       | 1895 Dec. 3.  | *COOKSON, ALFRED CHORLEY ..  | G. W. Ry., Eng.'s Office, Paddington.                             |
|       | 1888 Dec. 4.  | *COOMBER, WILLIAM HORACE ..  | Lancs. and Yorks. Ry., Manchester.                                |
|       | 1884 May 27.  | { *COOMBS, CHARLES JOHN ..<br>PLUMBE, B.A. ( <i>Lond.</i> ) .. }     | 1 Trafalgar Place, Devonport.                                     |
|       | 1891 Dec. 1.  | COOPER, ALFRED ERNEST ..   | 39 Warwick Road, Maida Vale, W.                                   |
| ✱     | 1880 May 25.  | *COOPER, CHARLES HAMLET ..   | Council Offices, Wimbledon, S.W.                                  |
|       | 1897 Apr. 6.  | COOPER, FRANCIS EDWARD ..  | 28 Cecil Rd., Seaforth, Liverpool.                                |
|       | 1885 Dec. 1.  | COOPER, JOHN .. .. .   | 1 Parliament Square, Edinburgh.                                   |
|       | 1894 May 1.   | COOPER, LEONARD .. .. .  | Montevideo, Uruguay.  |
|       | 1895 Dec. 3.  | { COOPER, RICHARD EDWARD ..<br>SYNGE .. .. . }                       | Hillmorton Paddox, Rugby.   |
|       | 1893 Jan. 10. | *COOPER, SAMUEL EDWARD ..  | Uganda Ry., Mombasa, East Africa.                                 |
|       | 1896 May 5.   | COOPER, THOMAS, M.A. ( <i>Cantab.</i> )                              | Cox Thermo Electric Co., St. Albans.                              |
|       | 1896 Feb. 4.  | { *COOPER, THOMAS BRAMMALL, ..<br>B.Sc. ( <i>Victoria</i> ) .. .. }  | Woodville, Cheetham Hill, Man-<br>chester.                        |
|       | 1886 May 18.  | { COOPER, VIVIAN BOLTON ..<br>DOUGLAS .. .. . }                      | Broadway House, Westminster, S.W.<br>[Megohm, London.]            |
|       | 1874 Feb. 3.  | COOPER, WILLIAM .. .. .  | { Neptune Engine Works, Hull. [Nep-<br>tune, Hull. 30.] [Colony.] |
|       | 1892 Mar. 1.  | COOPER, WILLIAM .. .. .  | Eng.'s Office, Sea Point Hall, Cape                               |
|       | 1894 Feb. 6.  | *COPE, WILFRED ARTHUR ..   | District Council, Bromley, Kent.                                  |
|       | 1890 Dec. 2.  | { COPELAND, HENRY PAUL ..<br>RAMSAY .. .. . }                        | D.P.W., Newcastle, N.S.W.   |
|       | 1893 Dec. 5.  | *COPLAND, JOHN PEARSON ..  | 48 Sandyford Street, Glasgow.                                     |
| m     | 1895 Dec. 3.  | { *COPLAND, WILLIAM ROBERTSON,<br>JUN. .. .. . }                     | 146 West Regent St., Glasgow.                                     |
|       | 1890 Dec. 2.  | COPLAND, WILLIAM WALLACE   | Sanitary Commission, Gibraltar.                                   |
|       | 1894 Dec. 4.  | COPLEY, CHARLES THOMAS ..  | 252 Barkerhouse Rd., Nelson, Lancs.                               |
|       | 1896 May 19.  | { COPPERTHWAIT, WILLIAM ..<br>CHARLES .. .. . }                      | 8 Queen Anne's Gate, S.W.   |
|       | 1896 Apr. 14. | *CORBETT, PATRICK JOSEPH ..  | P.W.D., Karachi, Sind, India.                                     |
|       | 1890 Apr. 1.  | CORDNER-JAMES, JOHN HENRY  | Finsbury House, Blomfield St., E.C.                               |
|       | 1893 Dec. 5.  | *CORIN, WILLIAM .. .. .  | Town Hall, Launceston, Tasmania.                                  |
|       | 1892 Dec. 6.  | CORNER, CHARLES .. .. .  | Austin, Texas, U.S.A.   |
|       | 1875 Apr. 6.  | CORNISH, THOMAS SMERDON ..   | Belfield, East Coast, Demerara.                                   |
|       | 1883 Feb. 6.  | *COSTE, JEAN LOUIS NAPOLEON  | D.P.W., Ottawa, Canada.   |
|       | 1887 Apr. 5.  | { *COTTERELL, ALBERT PLAYER ..<br>ISAAC .. .. . }                    | 7 Baldwin Street, Bristol.  |
|       | 1866 May 15.  | { COTTERILL, JAMES HENRY, ..<br>M.A. ( <i>Cantab.</i> ), F.R.S. .. } | Broadwater, Tweedy Road, Bromley,<br>Kent.                        |
|       | 1884 May 6.   | *COTTON, HENRY STREATFIELD   | Oaklands, Isfield, Uckfield.                                      |
|       | 1877 Feb. 6.  | { COTTRELL, HENRY EDWARD ..<br>PLANTAGENET .. .. . }                 | c.o. T. Walrond Smith, 32 Victoria<br>St., S.W.                   |
|       | 1890 Feb. 4.  | *COUCHMAN, FRANCIS DUNDAS  | King, King & Co., Bombay.   |
|       | 1879 Feb. 4.  | COUPER, FREDERICK .. .. .  | New River Office, Clerkenwell, E.C.                               |
|       | 1897 Dec. 7.  | *COUTTS, ERNEST GRAY ..  | King, Hamilton & Co., Calcutta.                                   |
|       | 1896 May 19.  | COVENTRY, HENRY GEORGE ..  | { 24 Bolingbroke Grove, Wandsworth<br>Common, S.W.                |
|       | 1897 Mar. 2.  | *COVERNTON, RALPH HENRY ..   | Box 1049, Johannesburg, Transvaal.                                |
| m m ✱ | 1887 May 3.   | *COWAN, EDWARD WOODROWE ..   | Hart Hill, Woodville Rd., Bowdon.                                 |
|       | 1890 Feb. 4.  | *COWAN, JOHN .. .. .   | 261 West George Street, Glasgow.                                  |
|       | 1889 Dec. 3.  | COWARD, GEORGE EDWARD ..   | { c.o. Stilwell & Sons, 21 Great George<br>Street, S.W.           |
|       | 1874 Jan. 13. | *COWPER, CHARLES EDWARD ..   | 144 Addison Gardens, W.   |
|       | 1896 Dec. 1.  | { *COWPER-COLES, SHERARD ..<br>OSBORN .. .. . }                      | { 26 & 27 Grosvenor Mansions, Victoria<br>Street, S.W.            |
|       | 1894 Dec. 4.  | COX, ALEXANDER GEORGE ..   | c.o. H.B.M. Consul, Tientsin, China.                              |



| Date of Election. | ASSOCIATE MEMBERS.                                     |   |
|-------------------|--|---|
| 1897 Apr. 6.      | COX, DOUGLAS BRENTON ..                                | Govt. Rys., Maritzburg, Natal.                              |
| 1892 Dec. 6.      | *COX, FREDERICK NUTTER ..                              | { c.o. Le Lacheur & Son, 58 Lombard Street, E.C.            |
| 1893 May 2.       | COX, FREDERICO WILLIAM ..                              | 123 Caixa do Correio, Pernambuco.                           |
| 1876 Dec. 5.      | *COX, GRIFFITH NATHANIEL ..                            | Kingston, Jamaica.  |
| 1883 Jan. 9.      | *COX, HORACE BOARDMAN ..                               |   |
| 1881 Mar. 1.      | COX, THOMAS ADEY, B.A. ..                              | Grindlay & Co., Parliament St., S.W.                        |
| 1886 Dec. 7.      | *CRABTREE, HENRY HERBERT ..                            | S. Pearson & Son, Mexico.                                   |
| 1895 Dec. 3.      | { *CRABTREE, WALTER ROBINSON, M.Sc. (Victoria) .. .. } | District Surveyor, Town Hall, Sheffield.                    |
| 1883 May 29.      | { *CRABTREE, WILLIAM HENRY ROBINSON .. .. }            | 32 King's Road, Doncaster.                                  |
| 1891 Dec. 1.      | *CRABTREE, WILLIAM ROBSON ..                           | Harbour Works, East London, Cape Colony.                    |
| 1889 Dec. 3.      | *CRAIG, CLARENCE .. ..                                 | Trinidad.   |
| 1896 Apr. 14.     | CRAIG, WILLIAM .. ..                                   | P. W. D., Cape Town, C.C.                                   |
| 1890 Dec. 2.      | CRAMPTON, ARTHUR CECIL ..                              | P.W.D., Monywa, Upper Burma.                                |
| 1891 Mar. 3.      | CRAVEN, ALBERT WILLIAM ..                              | 468 Collins St., Melbourne, Victoria.                       |
| 1875 May 4.       | CRAVEN, CHARLES ALFRED ..                              | Gasworks, Savile Town, Dewsbury.                            |
| 1870 May 3.       | { CRAWFORD, WILLIAM FRED-ERICK, B.A. (Dubl.) .. .. }   | Box 183, Johannesburg, Transvaal. (Facility, Johannesburg.) |
| 1894 Mar. 6.      | *CRAWTER, FRANK WHINFIELD ..                           | Grotesby, Blackheath, S.E.                                  |
| 1884 Feb. 5.      | CREER, ALFRED .. ..                                    | The Guild Hall, York.                                       |
| 1896 Apr. 14.     | CRESSWELL, GEORGE BELBEN ..                            | Assam-Bengal Ry., Silohar, India.                           |
| 1883 May 29.      | CRESSWELL, JOSEPH .. ..                                | 54 Castle Street, Dover.                                    |
| 1893 May 16.      | { CRESSWELL, FREDERIC HUGH PAGE .. .. }                | Rand Club, Johannesburg, Transvaal.                         |
| 1884 Dec. 2.      | CRICHTON, WILLIAM BATEMAN ..                           | Vulcan Ironworks, Bradford.                                 |
| 1880 Jan. 13.     | CRICKMAY, WILLIAM .. ..                                | { Ferguson Building, Vancouver, British Columbia.           |
| 1894 Dec. 4.      | *CRIGHTON, CHARLES .. ..                               | S. Indian Ry., Cuddalore, Madras.                           |
| 1888 Dec. 4.      | CRIPPS, FREDERICK SOUTHWELL ..                         | 71 King William Street, E.C.                                |
| 1881 Dec. 6.      | *CROFT, HENRY .. ..                                    | Victoria, British Columbia.                                 |
| 1889 Dec. 3.      | CROFTS, CHARLES JAMES ..                               | Harbour Works, Port Natal.                                  |
| 1895 May 21.      | *CROMPTON, REGINALD HARRATT ..                         | Price and Wills, Barry Dock, Cardiff.                       |
| 1882 Dec. 5.      | *CRONIN, EDWARD GEORGE ..                              | P.W.D., Geraldton, Western Australia.                       |
| 1892 Mar. 1.      | *CROOK, JOHN ROWLAND ..                                | 8 Fielding Road, W. Kensington, W.                          |
| 1895 Dec. 3.      | { CROOKES, BERNARD HUMPHREY, M.Sc. (Victoria) .. .. }  | Osborne House, Temple Street, Llandrindod, Rads.            |
| 1879 May 27.      | CROSBIE, JAMES .. ..                                   | New Farm, Gamlingay, Sandy.                                 |
| 1883 Dec. 4.      | CROSLAND, BENJAMIN .. ..                               | 1 Rudolph Road, Kilburn, N.W.                               |
| 1887 May 24.      | CROSLY, WILLIAM .. ..                                  | Buluwayo, Matabeleland.                                     |
| 1882 Apr. 4.      | *CROSS, AMBROSE WOOTTON ..                             | { Glendale, School Road, Moseley, Birmingham.               |
| 1887 Dec. 6.      | *CROSS, FREDERICK WILLIAM ..                           | The Bridge, Walsall. (Iron, Walsall.)                       |
| 1896 May 5.       | CROSS, FREDERICK WILLIAM ..                            | Gasworks, Leyton, Essex.                                    |
| 1886 May 18.      | CROSS, WILLIAM .. ..                                   | Shirley Villa, Lake Avenue, Rhyl.                           |
| ✠ 1888 Feb. 7.    | { CROSTHWAITE, PONSONBY MOORE, B.A.I. (Dubl.) .. .. }  | 10 George Street, Limerick.                                 |
| 1891 Feb. 3.      | { CROWE, PERCY BARBY GUSTAV OTTO .. .. }               | 19 Great George Street, S.W.                                |
| 1894 Dec. 4.      | CROWTHER, JAMES ALFRED ..                              | Town Hall, Bootle, Lancs.                                   |
| 1895 Jan. 8.      | *CROWTHER, THOMAS BURNSIDE ..                          | Mannamead, Plymouth.  |
| 1892 Jan. 12.     | CROZIER, WILLIAM, JUN. ..                              | Shire Hall, Durham.   |
| 1887 Dec. 6.      | CRUMMACK, HARKER CHARLES ..                            | Boro' Engineer, Hartlepool.                                 |
| 1881 May 31.      | CUBITT, WILLIAM .. ..                                  | Rumney House, Cardiff.                                      |
| 1891 Dec. 1.      | { *CUFFE, OTWAY FORTESCUE LUKE WHEELER .. .. }         | c.o. W. Williams, Parkside, Wimbledon, S.W.                 |
| 1895 Feb. 5.      | CULLEN, EDWARD ALEXANDER ..                            | { Harbours & Rivers Dept., Brisbane, Queensland. [tralia.   |
| 1895 Apr. 2.      | CULLEN, HERBERT DALE ..                                | Sherwood, Armadale, Western Aus-                            |
| 1890 Jan. 14.     | CULLIS, EDMUND JOSEPH ..                               | Thames & Severn Canal, Gloucester.                          |
| 1881 Dec. 6.      | { CULVERWELL, GEORGE PARNALL, B.A. (Dubl.) .. .. }     | County Down Ry., Belfast.                                   |

Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |   |   |
|-----|---------------|---|---|
|     | 1890 Feb. 4.  | *CUMING, JAMES HENING, F.C.II.  | { 3 Royal Terrace, Lisburn Road,<br>Belfast.                                    |
|     | 1897 Apr. 6.  | CUNHA, LUIZ GONÇALVES DA ..   | { Comissão de Estudos do Rio<br>Taquary, Taquary, Rio Grande do<br>Sul, Brazil. |
|     | 1895 Dec. 3.  | { CUNNINGHAM, BRYSSON,<br>B.E. ( <i>Royal</i> ) .. .. .                   | { Ellery, Oakdale Road, Waterloo,<br>Liverpool.                                 |
|     | 1875 Jan. 17. | CUNNINGHAM, JAMES HENRY ..  | 2 Ravelston Place, Edinburgh.   |
|     | 1883 Dec. 4.  | *CURRY, WILLIAM ELMITT ..   | Mulgrave Road, Sutton, Surrey.  |
|     | 1888 Jan. 10. | CURRY, WILLIAM THOMAS ..  | { 3 Banbury Road, Summertown,<br>Oxford.  |
| ✦   | 1890 May 6.   | { CURTIS, ALFRED HARPER,<br>B.A. ( <i>Lond.</i> ) .. .. .                 | 65 Parliament Hill, Hampstead, N.W.   |
|     | 1893 Apr. 11. | CUSHNY, JOHN .. .. .  | Box 455, Johannesburg, Transvaal.   |
|     | 1892 Dec. 6.  | *CUST, LEOPOLD .. .. .  | 99 Onslow Square, S.W.  |
|     | 1894 May 1.   | *CUTBILL, HARRY WALLACE ..  | Bogota, U.S. Colombia.  |
|     | 1890 Dec. 2.  | CUTHBERT, GEORGE BLYTHE ..  | Middelburg, Cape Colony.  |
| m ✦ | 1886 Dec. 7.  | *CUTLER, HENRY ALBERT ..  | City Engineer, Cork.  |
|     | 1874 May 12.  | CUTLER, SAMUEL .. .. .  | Providence Ironworks, Millwall, E.  |
|     | 1896 Dec. 1.  | CUTTEN, FREDERICK ALFRED  | 79 Princess Street, Dunedin, N.Z.   |
|     | 1889 Dec. 3.  | DADABHOY, CURSETJEE .. ..   | Cumballa Hill, Bombay.  |
|     | 1888 May 1.   | DADABHOY, RATANSHAW .. ..   | Bombay Ironworks, Bombay.   |
|     | 1891 Mar. 3.  | DADLEY, BENJAMIN BAINES ..  | 47 Victoria Street, S.W.  |
| ✦   | 1894 Jan. 9.  | { DALBY, <i>Professor</i> WILLIAM<br>ERNEST, M.A., B.Sc. ( <i>Lond.</i> ) | 6 Coleridge Road, Crouch End, N.  |
|     | 1882 May 2.   | DALES, JOHN HANDSLEY .. ..  | Boreham Wood Works, Elstree.  |
|     | 1881 May 31.  | DALLAS, JOHN EDWIN .. .. .  | King, King & Co., Bombay.   |
| m ✦ | 1887 Dec. 6.  | *DALRYMPLE-HAY, HARLEY HUGH   | 20 Victoria Street, S.W.  |
|     | 1895 Feb. 5.  | { *DANA, ROBERT WASHINGTON,<br>B.A. ( <i>Cantab.</i> )                    | 57 Onslow Gardens, S.W.   |
|     | 1883 Jan. 9.  | { *DANFORD, GEORGE JAMES<br>ATCHISON .. .. .                              | Mozambique Co., Beira, East Africa.   |
|     | 1874 Apr. 14. | DARBISHIRE, CHARLES HENRY   | Plas Mawr, Penmaenmawr.   |
|     | 1892 Dec. 6.  | { *DARE, HENRY HARVEY,<br>M.E. ( <i>Sydney</i> ) .. .. .                  | Roads and Bridges Dept., Sydney,<br>N.S.W.                                      |
|     | 1883 Dec. 4.  | { DARLINGTON, FREDERICK<br>ARTHUR .. .. .                                 | 11 St. Julian's Farm Road, West<br>Norwood, S.E.                                |
|     | 1877 Feb. 6.  | DARWIN, HORACE, M.A. ( <i>Cantab.</i> )                                   | Huntingdon Road, Cambridge.   |
|     | 1873 Mar. 4.  | DARWIN, SAMUEL BROTHERS ..  | Gasworks, Portsmouth.   |
|     | 1890 Apr. 1.  | *DAVENPORT, CHARLES EDWARD  | Heath Bank, Nantwich, Cheshire.   |
|     | 1892 Dec. 6.  | *DAVEY, GEORGE REGINALD ..  | 5A Garrick Street, W.C.   |
|     | 1882 Dec. 5.  | DAVIDSON, JOHN GEORGE ..  | Caledonian Canal, Inverness.  |
|     | 1882 May 2.   | DAVIDSON, JOHN PATON ..   | Parry & Co., Madras.  |
|     | 1891 Mar. 3.  | DAVIES, DAVID .. .. .   | Cowell House, Llanelly. [Swansea.   |
|     | 1886 Jan. 12. | DAVIES, DAVID GEORGE .. ..  | 2 Claremont Villas, Oystermouth,  |
|     | 1888 May 1.   | DAVIES, HARRY SEAGRAVE ..   | W. Watson & Co., Bombay.  |
|     | 1895 Jan. 8.  | DAVIES, JOHN HUBERT .. ..   | Box 455, Johannesburg, Transvaal.   |
|     | 1897 Apr. 6.  | DAVIES, JOHN HUGH .. .. .   | Cymry, Mooropna, Victoria.  |
|     | 1876 May 2.   | DAVIES, JOHN JOSEPH .. ..   | Hardinge St., Perth, W. Australia.  |
|     | 1888 Dec. 4.  | DAVIES, MORGAN WILLIAMS ..  | 17 Adelaide Street, Swansea.  |
|     | 1876 Apr. 4.  | DAVIES, THOMAS WILBERFORCE  | 41 Park Place, Cardiff.   |
|     | 1888 Dec. 4.  | DAVIES, WILLIAM AUGUSTUS ..   | Town Hall, Hounslow.  |
|     | 1896 Dec. 1.  | DAVIES, WILLIAM PHILIP ..   | Greenfield, Abergavenny.  |
|     | 1882 May 2.   | *DAVIS, ALFRED THOMAS ..  | County Surveyor, Shrewsbury.  |
|     | 1893 Dec. 5.  | DAVIS, ARTHUR CHAMIER ..  | P.W.D., Hyderabad, Deccan, India.   |
|     | 1897 Apr. 6.  | { *DAVIS, CLEMENT FREDERICK,<br>B.A. ( <i>Cantab.</i> ) .. .. .           | Gasworks, Sheffield.  |
|     | 1885 Mar. 3.  | DAVIS, FREDERICK .. .. .  | { 9 Bridge Street, Westminster, S.W.<br>(Excalibur, London.)                    |



| Date of Election. | ASSOCIATE MEMBERS.                                 |  |
|-------------------|--|--|
| 1875 Jan. 12.     | DAVIS, HARRY LOUIS .. ..                           | { G.E. Ry., Eng.'s Office, Liverpool Street, E.C.                |
| 1863 Apr. 14.     | DAVIS, JOHN .. ..                                  | Whitmead, Tilford, Surrey.                                       |
| 1892 May 3.       | DAVIS, JOHN POOLE .. ..                            | Stort Navigation, Harlow, Essex.                                 |
| 1891 Jan. 13.     | *DAVIS, NEVILLE BROOKES .. ..                      | Waterworks Office, Leicester.                                    |
| 1891 Feb. 3.      | *DAVISON, AUGUSTINE CAMPBELL                       | { Coverdale House, Hunters Road, Handsworth, Birmingham.         |
| 1882 Apr. 4.      | DAVISON, THOMAS VINCENT .. ..                      | Elmdale, Frances Road, Windsor.                                  |
| 1887 Apr. 5.      | { DAVISON, THOMAS VINCENT<br>HERBERT .. ..         | Glebe Side, New Malden, Surrey.                                  |
| 1891 Dec. 1.      | *DAVY, JOHN .. ..                                  | Caixa 403, Rio de Janeiro.                                       |
| 1892 Mar. 1.      | DAVY, WILLIAM JAMES .. ..                          | 15 Victoria Street, S.W.   |
| 1896 Feb. 4.      | { DAWBARN, GILBERT JOSEPH,<br>B.Sc. (Glas.) .. ..  | School of Mines, Ballarat, Victoria.                             |
| 1871 Apr. 4.      | DAWNAY, ARCHIBALD DAVIS .. ..                      | { London Bridge House, E.C. (Dawnay, London.)                    |
| 1894 May 1.       | *DAWNEY, ALBERT EDWARD .. ..                       | { Nightingale's Farm, Colne Engaine, Essex.                      |
| 1884 May 27.      | *DAWSON, ERNEST FREDERICK .. ..                    | H. S. King & Co., 45 Pall Mall, S.W.                             |
| 1893 Dec. 5.      | *DAWSON, FREDERIC JOHN .. ..                       | Pietersburg Ry., Pretoria, Transvaal.                            |
| 1875 Dec. 7.      | DAWSON, JAMES HENRY .. ..                          | The Grange, Tilford, Farnham, Surrey.                            |
| 1895 Feb. 5.      | *DAWSON, JOHN SMITH .. ..                          | 18 St. Helier's Road, Blackpool.                                 |
| 1894 May 1.       | DAWSON, PHILIP .. ..                               | 39 Victoria Street, S.W.   |
| M† 1879 Dec. 2.   | { *DAWSON, WILLIAM BELL,<br>M.A. (McGill) .. ..    | Marine Dept., Ottawa, Canada.                                    |
| 1894 Feb. 6.      | DAWSON, WILLIAM SAMUEL .. ..                       | Pumping Station, Spottiswoode, Parkend, Lydney, Glos. [Victoria. |
| 1891 May 5.       | DEAKIN, THOMAS HEDGES .. ..                        | 14 Gorseley Road, Nottingham.                                    |
| 1891 Jan. 13.     | *DEANS, HAROLD, B.A. (Cantab.)                     | Boro' Engineer, Dewsbury.  |
| 1895 Jan. 8.      | DEARDEN, HENRY .. ..                               | H. S. King & Co., 45 Pall Mall, S.W.                             |
| 1881 May 3.       | DEASE, PATRICK PAGET .. ..                         | 99 Queen St., Melbourne, Victoria.                               |
| 1882 Dec. 5.      | D'EBRO, CHARLES ABRAHAM .. ..                      |  |
| 1897 Dec. 7.      | { *DELAP, ALFRED DOVER, B.A.I.<br>(Dubl.) .. ..    | Valentia Island, co. Kerry.                                      |
| m 1890 Apr. 1.    | { *DELVES-BROUGHTON, VERNON<br>WARBURTON .. ..     | Lake Copais Co., Moulki, Thebes, Greece.                         |
| 1885 Dec. 1.      | DE MELLO, CHARLES HARVEY                           | King, Hamilton & Co., Calcutta.                                  |
| 1898 Mar. 1.      | DEMPSTER, HERBERT GEORGE                           | Govt. Rys., Maritzburg, Natal.                                   |
| 1895 May 21.      | DENHAM, HENRY MANGLES .. ..                        | 10 Clarence Villas, Windsor.                                     |
| 1886 Dec. 7.      | *DENISON, ALBERT .. ..                             | Victoria, Hong Kong.   |
| 1886 Dec. 7.      | *DENISON, GEORGE CHARLES .. ..                     | { c.o. Lady Denison, 195 Cromwell Road, S.W.                     |
| 1887 Dec. 6.      | DENISON, JOSEPH BASIL .. ..                        | Bembridge, Isle of Wight.  |
| 1881 May 31.      | DENNIS, HENRY .. ..                                | Ruabon, N. Wales. (Dennis, Ruabon.)                              |
| 1893 Dec. 5.      | DENNIS, NELSON FREDERICK .. ..                     | Urban District Council, Aldershot.                               |
| 1881 Apr. 5.      | *DENT, HASTINGS CHARLES .. ..                      | The Homestead, Bletchingley, Surrey.                             |
| 1886 Dec. 7.      | DENTON, HENRY RICHARD JOHN                         | Tor Lodge, Compton, Wolverhampton.                               |
| 1885 Dec. 1.      | DETSI, MIGUEL .. ..                                | Rua do Imperador 8, Petropolis, Rio                              |
| 1894 May 1.       | { *DEVENISH-MEARES, BASIL,<br>B.A.I. (Dubl.) .. .. | Port Trust, Calcutta. [de Janeiro.                               |
| 1886 Mar. 2.      | DEVERELL, THOMAS CLARK .. ..                       | { City Engineer, Perth, Western Australia.                       |
| 1889 Feb. 5.      | { *DEVÉRIA, LEWIS MARIE<br>THEODULE .. ..          | 277 Grand Trunk Road, Howrah, India.                             |
| m 1897 Jan. 12.   | *DE VILLE, MARTIN .. ..                            | { Ridgemount, Grange Road, Ashton-on-Mersey.                     |
| 1883 May 1.       | *DEVONSHIRE, THOMAS EASTON                         | Purbright, Chislehurst.  |
| t † 1884 Mar. 4.  | *DEVORANCE, JOHN .. ..                             | Cranmore Place, Chislehurst.                                     |
| 1891 Dec. 1.      | { DHUNJIBHOY, RUTTONJI, Khan<br>Sahib .. ..        | 31 1st Marine Street, Dhobi Talao, Bombay.                       |
| 1894 Dec. 4.      | DIAZ-LOMBARDO, ISIDRO .. ..                        | Calle de Cocheras 11, Mexico.                                    |
| 1888 Apr. 10.     | DIBLEY, GEORGE .. ..                               | Gaveston Place, Nuthurst, Sussex.                                |
| 1895 Dec. 3.      | DICK, DAVID CRAWFORD .. ..                         | 5 Dean Terrace, Edinburgh.                                       |
| 1886 Dec. 7.      | *DICKIE, ALEXANDER LOW .. ..                       | 16 Albyn Terrace, Aberdeen.                                      |

Date of  
Election.

## ASSOCIATE MEMBERS.

|                |   |   |
|----------------|---|---|
| ✠ 1889 May 7.  | DICKINSON, ALFRED .. ..                               | { 120 Colmore Row, Birmingham.<br>(Traction, Birmingham.) [Bradford.            |
| 1888 Dec. 4.   | DICKINSON, THOMAS RUSHOLM                             | 6 Selborne Grove, Manningham,   |
| 1879 Dec. 2.   | *DICKSON, JOHN .. ..                                  | Glaidsdale Grange, Whitby.  |
| 1895 Mar. 5.   | DICKSON, NORMAN BONNINGTON                            | Leopoldina Ry., Rio de Janeiro.   |
| 1888 Dec. 4.   | DIESELHORST, WILLIAM .. ..                            | 182 Victoria Road, Charlton.  |
| 1881 Dec. 6.   | DIGGLE, JAMES .. ..                                   | Boro' Engineer, Heywood.  |
| 1885 Feb. 3.   | *DISNEY, GEORGE WILLIAM .. ..                         | Mozzufferpore, India.   |
| 1893 Dec. 5.   | *DIX, HARRY ARTHUR .. ..                              | New Dry Dock, Swansea.  |
| 1895 Mar. 5.   | DIXON, EDWARD WILSON .. ..                            | Waterworks Engineer, Harrogate.   |
| 1886 Apr. 6.   | *DIXON, FRANCIS CHARLES .. ..                         | Martin & Co., Jackson House, Cal.   |
| 1893 Jan. 10.  | DIXON, FRANCIS EDWARD .. ..                           | 49 Lune Street, Prest on. [cutta.   |
| 1892 Dec. 6.   | *DIXON, FREDERIC BRERETON .. ..                       | c.o. W. Dixon, 50 Friend <sup>s</sup> Rd., Croydon.                             |
| 1897 Apr. 6.   | DIXON, FREDERIC JOHN .. ..                            | Spilsby, Lincs.   |
| 1897 Mar. 2.   | DIXON, JAMES RUSH .. ..                               | Town Hall, Old Street, E.C.   |
| 1892 Dec. 6.   | *DIXON, ROBERT BLAND .. ..                            | H.M.S. "Centurion," China Station.  |
| 1896 Dec. 1.   | DIXON, RODEN .. ..                                    | Boro' Surveyor, Stratford-on-Avon.  |
| 1892 Dec. 6.   | { *DIXON, STEPHEN MITCHEL,<br>B.A.I. (Dubl.) .. .. }  | { University, Frederieton, New Brunsw.<br>wick.                                 |
| 1889 Dec. 3.   | *DIXON, WILLIAM BROWN .. ..                           | P.W.D., Negri Sembilan, S.S.  |
| 1897 Feb. 2.   | { *DOBSON, ARTHUR AUSTIN<br>GREAVES .. .. }           | { 75 Eaton Rise, Ealing, W.<br>Blenheim, Marlborough, N.Z.                      |
| 1897 Feb. 2.   | DOBSON, DOUGLAS .. ..                                 | { Contractor's Office, Letterston, Pem-<br>brokeshire.                          |
| 1883 Feb. 6.   | *DOCKRAY, JOHN ARTHUR .. ..                           | { Portland Harbour Torpedo Works,<br>Weymouth.                                  |
| 1891 Jan. 13.  | *DODD, FRANK WILLIAM .. ..                            | { Surveyor's Office, Wandsworth, S.W.<br>P.W.D., South Canara, India.           |
| 1890 Dec. 2.   | DODD, PETER .. ..                                     |   |
| 1894 Jan. 9.   | *DODS, JOSHUA CHALMERS .. ..                          | 29 Sir J. Rogerson's Quay, Dublin.  |
| ✠ 1875 Dec. 7. | DOHERTY, WILLIAM JAMES .. ..                          | 8 Princes Street, Westminster, S.W.   |
| 1889 May 7.    | DOLBY, ERNEST RICHARD .. ..                           |   |
| 1894 Mar. 6.   | { *DONALD, PATRICK DUNLOP,<br>B.Sc. (Glas.) .. .. }   | { State Rys., Taiping, Perak, S.S.<br>Tower House, Chiswick, W.                 |
| 1898 Mar. 1.   | { *DONALDSON, THORNYCROFT,<br>M.A. (Cantab.) .. .. }  | { Dr. Kennedy, 17 Victoria St., S.W.<br>Army Ordnance Dept., Gibraltar.         |
| 1898 Apr. 5.   | *DONKIN, SYDNEY BRYAN .. ..                           |   |
| 1889 Dec. 3.   | { DONOHUE, WILLIAM EDWARD,<br>Captain R.A. .. .. }    | { 41 John Dalton St., Manchester.<br>33 Great George Street, S.W.               |
| 1880 May 25.   | *DORNING, HERBERT .. ..                               |   |
| 1883 Dec. 4.   | *DOUGAL, ROBERT .. ..                                 | Gasworks, Tunbridge Wells.  |
| 1887 Apr. 5.   | *DOUGALL, ANDREW, Jun. .. ..                          | Beltrees, Greenock, N.B.  |
| 1894 May 1.    | *DOUGLAS, ALEXANDER SHARP, Jun. .. ..                 | 2 Bella Vista, Rio Tinto, Spain.  |
| 1894 Jan. 9.   | *DOUGLAS, GORDON .. ..                                | 31 Priory Road, Bedford Park, W.  |
| 1885 May 5.    | DOUGLAS, JOHN .. ..                                   | { Waterworks, Paradise Street, Bir-<br>mingham.                                 |
| 1894 May 1.    | *DOUGLASS, ALFRED EDWARDS .. ..                       | 16 Albany Street, Edinburgh.  |
| 1895 Feb. 5.   | DOUGLASS, JAMES ROBERTSON .. ..                       | 16 Albany Street, Edinburgh.  |
| 1895 Feb. 5.   | DOUGLASS, WILLIAM LISTON .. ..                        | St. Nicholas Ironworks, Carlisle.   |
| 1891 May 5.    | DOVE, JOHN CHARLES .. ..                              |   |
| ✠ 1888 Feb. 7. | { DOWDALL, WILLIAM MAC-<br>DONNELL MITCHELL .. .. }   | { Shanghai, China.<br>Cue, Murchison, Western Australia.                        |
| 1887 Apr. 5.   | { DOWLEY, EDMOND POWER, B.A.,<br>B.E. (Dubl.) .. .. } | { Glengariff, Milton Rd., Harpenden,<br>East Surrey Water Co., Redhill, [Herts. |
| 1897 Jan. 12.  | DOWN, FREDERICK JONATHAN .. ..                        |   |
| 1898 Mar. 1.   | DOWNES, JAMES RATHBONE .. ..                          | { Goldfields Water Supply, Perth,<br>Western Australia.                         |
| ✠ 1887 Feb. 1. | { *DOWNES, ROBERT HENRY<br>BURNSIDE .. .. }           | { 94 Lower Baggot Street, Dublin.<br>10 Park Crescent, Oxford. [Brecon.         |
| 1889 Mar. 5.   | { DOWNING, ARTHUR JOSEPH,<br>B.A.I. (Dubl.) .. .. }   | { Springfield House, Alexander Road,<br>Derrybawn, Mayow Road, Sydenham.        |
| 1858 Feb. 2.   | DOWNING, ROBERT .. ..                                 |   |
| 1897 Feb. 2.   | *DOXAT, LOUIS CHARLES JOIN .. ..                      |   |
| 1893 Jan. 10.  | { DOYLE, KINSLEY DRYDEN,<br>B.A.I. (Dubl.) .. .. }    | { S.E.  |

| Date of Election. |   | ASSOCIATE MEMBERS. |  |
|-------------------|---|--------------------|--|
| 1895 Feb. 5.      | DRAKE, FRANCIS BRAGG                                      | ..                 | Town Hall, Richmond, S.W.  |
| 1892 Feb. 5.      | DRAKE, JOHN   | .. .. .            | Winterbank, Queensbury, Bradford.  |
| 1870 Dec. 6.      | DRESSER, FREDERICK  | .. ..              | { 23 Edmund Street, Liverpool.<br>(Dresser, Liverpool. 205.)                           |
| 1891 Dec. 1.      | DRIFFIELD, EDWARD CARUS                                   | ..                 | { Mining & Ry. Co., Mount Lyell,<br>Tasmania. [Cape Town, C.C.]                        |
| 1895 Dec. 3.      | *DRUCE, ERNEST HARRY                                      | .. ..              | c.o. Engineer-in-chief, Govt. Rys.,  |
| 1897 Apr. 6.      | DRUCE, WILLIAM HAVILLAND                                  | ..                 | { Temple Chambers, Brazennose Street,<br>Manchester.                                   |
| 1893 Dec. 5.      | *DRUMMOND, HAWTREY MARKS                                  | ..                 | Cia. de Gas, Antofagasta, Chili.   |
| 1887 Mar. 1.      | *DRURY, ALEXANDER GRAHAM                                  | ..                 | 21 Delahav St., Westminster, S.W.  |
| 1890 Apr. 1.      | *DRURY, MARK EDWARD                                       | ..                 | Madge Hill, Hanwell, W.  |
| 1892 Dec. 6.      | *DRURY, RICHARD FREDERICK                                 | ..                 | P. W. D., Hong Kong.   |
| 1891 Mar. 3.      | *DRYLAND, ALFRED  | .. ..              | Meopham, nr. Gravesend.  |
| 1888 Mar. 6.      | DUARTE, JOÃO RAYMUNDO                                     | ..                 | General Pedra 95, Rio de Janeiro.  |
| 1893 Feb. 7.      | *DUCAT, WALTER AUGUSTUS                                   | ..                 | Piccadilly Club, W.  |
| 1890 Dec. 2.      | DUCKHAM, HEBER  | .. ..              | { 2 Royal Exchange Buildings, E.C.<br>(Duckham, London.)                               |
| 1889 Dec. 3.      | *DUFF, EDWARD JAMES                                       | .. ..              | { Glengarriff, Cressington Park,<br>Liverpool.   |
| 1885 Dec. 1.      | *DUFF, WILLIAM AITKEN                                     | ..                 | Macleod & Co., Manila, Philippines.  |
| 1889 Feb. 5.      | DUFFY, RICHARD  | .. ..              | Calle Chacabuco 460, Buenos Aires.   |
| 1885 Dec. 1.      | *DUFFY, WILLIAM JOHN                                      | .. ..              | Mordialloe, Melbourne, Victoria.   |
| 1882 Feb. 7.      | DUGUID, HARRY GREENFIELD                                  | ..                 | 18 Stanley Place, Pimlico, S.W.  |
| 1890 Dec. 2.      | DUNCAN, ALFRED JOHN                                       | ..                 | Box 14, Bendigo, Victoria.   |
| 1891 Jan. 13.     | *DUNCAN, ANDREW   | .. ..              | Fernwood, Portobello, N.B.   |
| 1884 Dec. 2.      | DUNCAN, DAVID JOHN RUSSELL                                | ..                 | 28 Victoria Street, S.W.   |
| 1897 Jan. 12.     | *DUNCAN, HERBERT ELLIS                                    | ..                 | Grove Hill, Otley.   |
| 1896 Dec. 1.      | DUNCAN, NORMAN  | .. ..              | Municipal Office, Rangoon, Burma.  |
| 1884 May 27.      | DUNCANSON, THOMAS   | .. ..              | Municipal Office, Liverpool.   |
| 1888 Mar. 6.      | DUNELL, CYRIL   | .. ..              | Kodaikanal, Madura, Madras.  |
| 1896 Feb. 4.      | { DUNKERLEY, PROFESSOR STANLEY,<br>M.Sc. (Victoria) .. .. | ..                 | Royal Naval College, Greenwich,<br>S.E.  |
| 1887 Dec. 6.      | { *DUNLOP, HERBERT HENRY<br>GRAHAM .. ..                  | ..                 | S. Mahratta Ry., Hubli, India.   |
| 1876 Jan. 11.     | *DUNN, EDWARD ALEXANDER                                   | ..                 | 6 Delahay St., Westminster, S.W.   |
| 1890 May 20.      | DUNN, GEORGE BICKHAM                                      | ..                 | Stevenage, Herts.  |
| ✠ 1885 Jan. 13.   | DUNN, PETER LIVINGSTON                                    | ..                 | { 815 Battery Street, San Francisco,<br>U.S. (Clutha, San Francisco.)                  |
| 1883 Mar. 6.      | DUNPHY, AUGUSTINE LOUIS                                   | ..                 | Park Lodge, Belvedere, Kent.   |
| 1879 Feb. 4.      | *DUNSTON, ROBERT EDWARD                                   | ..                 | { Saratoga Traction Co., Saratoga<br>Springs, N.Y., U.S.                               |
| 1891 May 5.       | *DUPRÉ, EDWARD DOWNES                                     | ..                 | 97 Meersbrook Park Road, Sheffield.  |
| 1887 Dec. 6.      | DUQUEMIN, JAMES HENRY                                     | ..                 | Couture Road, Guernsey. [Tyne.]  |
| 1894 Mar. 6.      | DURLACHER, ALEXANDER PERCY                                | ..                 | 3 Otterburn Villas North, Jesmond-on-  |
| m ✠ 1893 Dec. 5.  | { *DURLEY, RICHARD JOHN,<br>B.Sc. (Lond.) .. ..           | ..                 | McGill University, Montreal, Canada.   |
| 1884 May 27.      | DUTTON, SAMUEL TELFORD                                    | ..                 | Marl Bauk, Worcester.  |
| 1893 Jan. 10.     | DUXBURY, THOMAS   | .. ..              | { 14 Grosvenor Chambers, Deansgate,<br>Manchester. (Darwinian, Man-<br>chester. 1806.) |
| 1887 Dec. 6.      | { DWYER, FREDERICK LAW,<br>B.A. (Dubl.) .. ..             | ..                 | Govt. Rys., Kimberley, Cape Colony.  |
| 1895 Jan. 8.      | *DYKES, ALFRED HERBERT                                    | ..                 | 1 Victoria Street, S.W.  |
| ✠ 1891 Feb. 3.    | *DYMOND, EDMUND ROBERT                                    | ..                 | Maesyddeswen, Hirwain, Aberdare.   |
| 1890 Feb. 4.      | *DYSON, ROBERT CHARLES, F.C.H.                            | ..                 | Grindlay, Groom & Co., Bombay.   |
| 1893 Apr. 11.     | EADY, GEORGE GRIFFIN                                      | .. ..              | 10 King Charles Road, Surbiton.  |
| 1891 May 5.       | EARL, HENRY DOUGLAS                                       | .. ..              | L. & N. W. Ry., Crewe.   |
| 1887 Dec. 6.      | *EARLY, SYDNEY CHARLES                                    | ..                 | Continental Ice Co., Boulogne-s/Mer.   |
| 1876 Apr. 4.      | EARNSHAW, DANIEL  | .. ..              | Manila, Philippines.   |

| Date of Election. |  | ASSOCIATE MEMBERS.   |  |
|-------------------|--|--|--|
| 1880 Apr. 6.      | EARNSHAW, JOHN THOMAS ..                           | Boro' Surveyor, Ashton-under-Lyne.                         |  |
| 1883 May 29.      | EAST, ROWLAND HARRY ..                             | F. C. Puirá, Paita, Peru.                                  |  |
| 1895 May 21.      | {EASTEN, ARTHUR MONTEFIORE)<br>WIRE .. .. .}       | 10 Manor Park, Lee, S.E.                                   |  |
| 1887 Dec. 6.      | EASTHAM, JAMES COOK ..                             | Waterworks Office, Manchester.                             |  |
| 1867 Dec. 3.      | EASTMAN, THOMAS ..                                 | Valparaiso, Chili.   |  |
| 1891 Mar. 3.      | *EASTON, JAMES RAMMELL ..                          | 3 Montpelier Road, Ealing, W.                              |  |
| 1867 Dec. 3.      | EASTON, JOHN MARSHALL ..                           | Redholm, Helensburgh, N.B.                                 |  |
| 1896 Dec. 1.      | {*EASTON, WILLIAM CECIL,<br>B.Sc. (Glas.) .. .. .} | City Engineer's Office, 64 Cochrane Street, Glasgow.       |  |
| 1877 Apr. 10.     | EATON, EDWARD MICHAEL ..                           | Waterworks Office, Sheffield.                              |  |
| 1885 Dec. 1.      | EATON-SHORE, GEORGE ..                             | Borough Surveyor, Crewe.                                   |  |
| 1878 Feb. 5.      | ECKSTEIN, WILLIAM ..                               | 187 Union Street, Borough, S.E.                            |  |
| 1883 Dec. 4.      | *EDE, FRANCIS JOSEPH ..                            | Silchar, Cachar, India.                                    |  |
| 1885 May 19.      | EDEN, JOSEPH ..                                    | Norfolk House, Workington.                                 |  |
| 1889 May 7.       | *EDGE, FREDERIC JAMES ..                           | City Surveyor's Office, Manchester.                        |  |
| 1895 Dec. 3.      | EDGEELL, ROBERT GORDON ..                          | {Roads & Bridges Offices, Wollombi,<br>N.S.W.              |  |
| in ✚ 1883 May 29. | *EDINGER, WILLIAM HENRY ..                         | Commercial Wharf, Mile End Road,                           |  |
| 1895 Feb. 5.      | *EDMONDSON, JOHN ALFRED ..                         | Kirkstall Road, Leeds. [E.                                 |  |
| 1896 Jan. 14.     | EDWARDES, CHARLES ARTHUR                           | {Ry. Construction Branch, P.W.D.,<br>Sydney, N.S.W.        |  |
| 1883 Feb. 6.      | EDWARDS, ANGELO EMANUEL                            | 19 Clifford St., Paisley Rd., Glasgow.                     |  |
| 1875 Dec. 7.      | *EDWARDS, GEORGE SELWYN ..                         | Kingsdown, Newbury.  |  |
| 1896 May 19.      | EDWARDS, HENRY CLAUDE JOHN                         | Vestry Hall, Kennington Rd., S.E.                          |  |
| 1895 May 21.      | EDWARDS, HERBERT FRANCIS..                         | 24 Windsor Terrace, Penarth, Cardiff.                      |  |
| 1886 Dec. 7.      | {*EDWARDS, OSBORNE ANTHONY)<br>GEORGE .. .. .}     | L. & S. W. Ry., Waterloo, S.E.                             |  |
| ✚ 1887 Dec. 6.    | *EDWARDS, WALTER CLEEVE ..                         | P.W.D., Vryburg, British Bechuana-land.                    |  |
| 1890 Jan. 14.     | {*EDWARDS, WILLIAM BEN,<br>B.E. (Royal) .. .. .}   | 2 Stanley Terrace, Devizes.                                |  |
| 1897 Mar. 2.      | *EDWARDS, WILLIAM JAMES ..                         | 29 Bangor Rd., Roath Park, Cardiff.                        |  |
| 1890 Mar. 4.      | {*EGERTON, CLAUDE FRANCIS)<br>ARTHUR .. .. .}      | Bengal-Nagpur Railway, Rajghat, Jellalore, Orissa, Bengal. |  |
| 1881 May 31.      | *EGERTON, ROBERT WALTER ..                         | P. W. D., Quetta, Beloochistan.                            |  |
| 1889 Apr. 2.      | EKIN, TOM CHARLES ..                               | 21 Old Queen St., Westminster, S.W.                        |  |
| 1880 Dec. 7.      | ELDRIDGE, JAMES ..                                 | Gasworks, Oxford.  |  |
| 1885 Dec. 1.      | *ELLIOTT, GILBERT FRANCIS ..                       | Marine Dept., Brisbane, Queensland.                        |  |
| 1881 Mar. 1.      | ELLERY, CHARLES STAFFORD ..                        | Gas L. & C. Co., Up. Bristol Rd., Bath.                    |  |
| 1886 Dec. 7.      | *ELLIOT, GODFREY TURNBULL                          | 158 Great Dover Street, S.E.                               |  |
| 1890 May 20.      | ELLIOT, MICHAEL ..                                 | {Empire Buildings, Collins Street,<br>Melbourne, Victoria. |  |
| 1894 Feb. 6.      | *ELLIOTT, HARRY HORNE ..                           | Govt. Rys., Mafeking, Bechuanaland.                        |  |
| 1896 Dec. 1.      | {*ELLIS, BERTRAM VERO CLARE)<br>WYBURN .. .. .}    | 116 Church Road, Upper Norwood, S.E.                       |  |
| 1896 Dec. 1.      | *ELLIS, SOMERS HOWE ..                             | Grindlay & Co., Calcutta.                                  |  |
| 1888 May 1.       | ELLIS, WILLIAM HENRY ..                            | Atlas Works, Sheffield.                                    |  |
| 1886 Apr. 6.      | ELMORE, JOHN OLIVER SURTEES                        | State Eng., Kapurthala, Punjab.                            |  |
| 1891 May 5.       | ELMS, FRANCIS ..                                   | G.W.Ry., Eng.'s Office, Plymouth.                          |  |
| 1884 May 27.      | ELSTON, JOHN ..                                    | Forest Hill, Simla, India.                                 |  |
| 1884 Jan. 8.      | ELSWORTHY, EDWARD HOUTSON                          | Richardson & Cruddas, Bombay.                              |  |
| 1881 Mar. 1.      | ELTON, CHARLES TIERNEY ..                          | G.I.P. Ry., Bombay.  |  |
| 1871 Dec. 5.      | EMANUEL, BARROW, M.A. (Dubl.)                      | 2 Finsbury Circus, E.C.                                    |  |
| 1892 Feb. 2.      | *EMERSON, AMBROSE ..                               | 64 Gordon Road, Ealing, W.                                 |  |
| 1893 Feb. 7.      | EMMOTT, WALTER ..                                  | 1 South Parade, Halifax.                                   |  |
| 1896 Mar. 3.      | *EMTAGE, RAYMOND HOWARD ..                         | King Street, Bridgetown, Barbados.                         |  |
| 1892 Jan. 12.     | *ENGLISH, BERTRAM WILLIAM                          | {45 Overstrand Mansions, Battersea<br>Park, S.W.           |  |
| 1889 Feb. 5.      | *ENGLISH, FREDERICK HENRY ..                       | 1 Danes Inn, Strand, W.C.                                  |  |
| 1892 Dec. 6.      | *ENNIS, THOMAS FREDERICK ..                        | Gasworks, Windsor St., Birmingham.                         |  |
| 1881 Feb. 1.      | ENNOT, CHARLES JOHN ..                             | Quinta Pimenta, Foz, Oporto.                               |  |
| 1896 Jan. 14.     | *ERICHSEN, FREDERIK OLE ..                         | {Woodlands, Elmbourne Road, Upper<br>Tooting, S.W.         |  |



Date of  
Election.

## ASSOCIATE MEMBERS.

|   |               |   |   |
|---|---------------|---|---|
|   | 1892 Dec. 6.  | *ESTCOURT, ARTHUR JOHN ..                                 | { London Road Ironworks, Harleston,<br>Norfolk.                 |
|   | 1896 Dec. 1.  | { *ESTLER, PAUL TRAUGOTT JU-<br>LIUS .. .. . }            | Fairfield House, Old Charlton, S.E.                             |
| m | 1851 Apr. 1.  | ETTY, THOMAS BODLEY .. ..                                 | Belmont Road, Scarborough.                                      |
| ✠ | 1887 Apr. 5.  | *EUNSON, HENRY JOHN .. ..                                 | Vizianagram, Madras Presidency.                                 |
|   | 1871 Feb. 7.  | EUNSON, JOHN .. .. .                                      | Gasworks, Northampton.  |
|   | 1898 Apr. 5.  | EUSTICE, JOHN .. .. .                                     | Hartley College, Southampton.                                   |
|   | 1881 Mar. 1.  | EVANS, ARTHUR CLEMENT ..                                  | { Ganges Canal, Aligarh, N.W.P.,<br>India.                      |
|   | 1879 Feb. 4.  | EVANS, ARTHUR GEORGE ..                                   | The Clift, Chippenham, Wilts.                                   |
|   | 1887 Dec. 6.  | *EVANS, EDGAR IVOR .. ..                                  | District Council, Penarth, Cardiff.                             |
|   | 1892 Mar. 1.  | EVANS, EVAN .. .. .                                       | County Surveyor, Carnarvon.                                     |
|   | 1892 Mar. 1.  | EVANS, WILLIAM .. .. .                                    | New Walk, Beverley, Yorks.                                      |
|   | 1897 Jan. 12. | *EVERARD, FRANCIS OVER ..                                 | 4 Albert Road, Harborne, Staffs.                                |
|   | 1886 Feb. 2.  | EVERETT, JOHN EDWARD ..                                   | Sea-Wall Extension, Scarborough.                                |
|   | 1882 Dec. 5.  | EWENS, PAUL .. .. .                                       | 5 Austin Friars, E.C.   |
|   | 1897 Jan. 12. | FAIRBAIRN, ADAM MAITLAND ..                               | { G. H. Hill, Albert Chambers,<br>Albert Square, Manchester.    |
|   | 1893 Dec. 5.  | FAIRBAIRN, EDWARD PERCY ..                                | Ystrad House, Knighton, Rads.                                   |
|   | 1883 May 1.   | *FAIRBANK, FRANK GRAHAM ..                                | 17A Lendal, York.   |
|   | 1893 Jan. 10. | { *FAIRGRIEVE, EDGAR HUNTER,<br>B.Sc. (Edin.) .. .. . }   | 40 Marchmont Crescent, Edin-<br>burgh.                          |
| ✠ | 1891 Feb. 3.  | *FAIRHOLME, FREDERICK CHARLES                             | 53 Tregunter Road, S.W.   |
|   | 1886 Apr. 6.  | *FAIRLEY, WILLIAM .. .. .                                 | Main Sewerage Board, Mortlake.                                  |
|   | 1896 May 19.  | { *FAITHFULL, FERDINAND FOR-<br>TESCUE .. .. . }          | Kwala Kubu, Selangor, S.S.                                      |
|   | 1891 Dec. 1.  | FARQUHARSON, ROBERT NESHAM                                | Assam Tea Co., Nazira P.O., Assam.                              |
|   | 1892 May 24.  | { *FARQUHARSON, THOMAS,<br>B.Sc. (Edin.) .. .. . }        | Rosario Nitrate Co., per Gildemeister<br>& Co., Iquique, Chili. |
|   | 1892 May 3.   | { *FARR, CLINTON COLERIDGE,<br>B.Sc. (Adelaide) .. .. . } | Lincoln, Christchurch, New<br>Zealand.                          |
|   | 1892 Feb. 2.  | FARR, WILLIAM BEAN .. ..                                  | 407 Walthall Street, Crewe. [N.B.                               |
| m | 1896 May 19.  | *FARRELL, RICHARD CRAIG ..                                | Clock View, King Street, Dunoon.                                |
|   | 1894 May 1.   | *FARRINGTON, WILLIAM .. ..                                | Town Hall, Hoyland Nether, Barns-                               |
|   | 1894 Jan. 9.  | FAWCETT, ARTHUR .. .. .                                   | Old Town Hall, Wakefield. [ley.                                 |
|   | 1893 May 16.  | { *FAWCETT, EDMUND ALDERSON<br>SANDFORD .. .. . }         | 20 Thornton Hill, Wimbledon.                                    |
|   | 1889 May 21.  | *FAWCUS, ALFRED .. .. .                                   | { Cape Govt. Rys., Bloemfontein,<br>Orange Free State.          |
|   | 1887 Feb. 1.  | *FEARON, HENRY SOMERVILLE ..                              | 5 Great Winchester Street, E.C.                                 |
|   | 1896 Feb. 4.  | FELL, GEORGE NOBLE .. ..                                  | 11 The Avenue, Bedford Park, W.                                 |
|   | 1884 Dec. 2.  | FENDER, DAVID THOMAS .. ..                                | 10 Victoria Street, S.W.  |
|   | 1893 Dec. 5.  | FENNELLY, RICHARD .. .. .                                 | Kilmore, Victoria.  |
|   | 1874 Dec. 1.  | *FENWICK, CHARLES RICHARD ..                              | 1 Park Place, Leeds.  |
|   | 1892 May 3.   | *FERGUSON, JOHN .. .. .                                   | 128 Wellington Street, Glasgow.                                 |
|   | 1886 Jan. 12. | { FERNAU, JOHN JAMES CON-<br>STANTINO .. .. . }           | Nenthead House, Nenthead, Carlisle.                             |
|   | 1884 Dec. 2.  | { *FERREIRA, EDUARDO DE<br>MORAES GOMES .. .. . }         | Pernambuco, Brazil.   |
|   | 1868 May 5.   | FERREIRA, JOÃO NERI .. ..                                 | Rio de Janeiro.   |
|   | 1891 Dec. 1.  | *FESTA, GIULIO .. .. .                                    | { F. C. del Sud, Rio Grande do Sul,<br>Brazil.                  |
|   | 1893 Mar. 7.  | FIDLER, ALFRED .. .. .                                    | Boro' Engineer, Southend.                                       |
|   | 1893 Jan. 10. | FIDLER, HENRY .. .. .                                     | Admiralty, 47 Victoria St., S.W.                                |
|   | 1873 May 6.   | FIELD, EDWARD .. .. .                                     | 4 Trafalgar Square, W.C.  |
|   | 1882 Dec. 5.  | *FIELDEN, EDWARD BROCKLEHURST                             | Condover Hall, Shrewsbury.                                      |
|   | 1894 May 1.   | FIELDER, HERBERT .. .. .                                  | 4 Crossfield Rd., S. Hampstead, N.W.                            |
|   | 1892 Feb. 2.  | FINCH, ALFRED ROBERT .. ..                                | Town Hall, Kensington, W.                                       |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                |   |  |
|----------------|---|--|
| 1897 Dec. 7.   | {FINCH, HENEAGE WYNNE,<br>M.A. ( <i>Oxon.</i> ) .. .. .}            | {New University Club, St. James'<br>Street, S.W.                           |
| 1888 Jan. 10.  | FINDLAY, GEORGE JAMES .. ..   | Glauyrafon, near Wrexham.  |
| 1892 Dec. 6.   | *FINDLAY, ROBERT .. .. .  | Board of Works, The Green, Eltham.   |
| 1895 May 21.   | *FINLAISON, HARRY GLEN .. ..  | Irrigation Dept., Alexandria.  |
| 1882 May 2.    | FINNEY, JAMES BARRETT .. ..   | P.O. Box 16, Georgetown, Demerara.   |
| 1886 Feb. 2.   | *FINNIMORE, BENJAMIN KINGTON  | Kendarea, Darjeeling, India.   |
| 1884 Dec. 2.   | *FIRTH, GEORGE SEPTIMUS .. ..                                       | {Arthur's Road, Scapoint, Cape<br>Town, C.C.                               |
| 1883 Dec. 4.   | *FIRTH, SYDNEY .. .. .  | {Newport Villa, York Avenue, East<br>Cowes, I.W.                           |
| 1886 Mar. 2.   | FISH, ROBERT .. .. .  | L. B. & S. C. Ry., Newhaven.   |
| 1889 Jan. 8.   | FISHER, HENRY BEDWELL .. ..   | 74 Bouverie Street, Chester.   |
| 1888 May 15.   | {FISHER, Rev. OSMOND PHILIP,<br>M.A. ( <i>Cantab.</i> ) .. .. .}    |  |
| 1885 Dec. 1.   | *FISHER, SACKVILLE .. .. .  | 24 Albany Road, Ealing, W.   |
| 1895 Dec. 3.   | FISHER, WILLIAM CLARK .. ..   | Govt. Rys., Selangor, S.S.   |
| 1891 Apr. 7.   | *FISHER, WILLIAM DIXON .. ..  | P.W.D., Cape Town, C.C.  |
| 1890 Feb. 4.   | *FITT, JOHN EDWARD .. .. .  | Levin & Co., Wellington, N.Z.  |
| 1889 May 7.    | FITZGERALD, GERALD .. .. .  |  |
| 1876 Dec. 5.   | {*FITZGERALD, MAURICE FRED-<br>ERICK, B.A. ( <i>Dubl.</i> ) .. .. } | 32 Eglantine Avenue, Belfast.  |
| 1890 Dec. 2.   | FITZ-GERALD, ROBERT DAVID ..  | {Roads and Bridges Dept., Sydney,<br>N.S.W.                                |
| 1886 Dec. 7.   | FITZ-PATRICK, ROBERT PERSE ..                                       | Hady House, Chesterfield.  |
| 1893 May 16.   | FLACH, JAMES .. .. .  | 40 West Avenue, Derby.   |
| 1886 May 25.   | *FLATT, BERNARD WILLIAM .. ..                                       | P.W.D., Cape Town, C.C.  |
| 1889 Dec. 3.   | *FLAVELLE, ALBERT EDWARD ..   | Wellbank, Homebush, Sydney, N.S.W.   |
| 1890 Dec. 2.   | FLAVIN, WILLIAM RICHARD .. ..                                       | Marie Ville, Ballygunge, Calcutta.   |
| 1894 Jan. 9.   | FLEMING, GEORGE EDWARD .. ..  | 4 Doune Quadrant, Kelvinside, Glas-  |
| 1894 May 22.   | FLETCHER, ALFRED THOMAS .. ..                                       | 31 Church St., Leigh, Lancs. [gow.   |
| 1894 May 1.    | *FLETCHER, BERNARD MORLEY ..  | {7 Victoria Street, S.W. (Agonium,<br>London.)                             |
| 1891 May 5.    | *FLETCHER, GEORGE EDWIN .. ..                                       | Cale Green Villa, Stockport.   |
| 1893 May 2.    | *FLETCHER, HENRY LAVINGTON ..                                       | 38 Lammas Park Road, Ealing, W.  |
| 1897 Dec. 7.   | *FLETCHER, HERBERT PHILLIPS ..                                      | 29 New Bridge Street, E.C.   |
| 1875 Feb. 2.   | *FLETCHER, JAMES RICHARD .. ..                                      | 4 Rectory Terrace, Gosforth-on-Tyne.                                       |
| 1887 May 24.   | FLETCHER, JOHN .. .. .  | Boro' Eng., Durban, Natal.   |
| ✠ 1886 Feb. 2. | FLETCHER, JOHN WILLIAM .. ..  | {L. & N. W. Ry., London Road,<br>Manchester.                               |
| 1892 Dec. 6.   | *FLETCHER, PATRICK .. .. .  | Buluwayo, Matabeleland.  |
| 1891 Dec. 1.   | *FLETCHER, ROBERT ALEXANDER ..                                      | Buluwayo, Matabeleland.  |
| 1894 Dec. 4.   | FLETCHER, WALTER JOHN .. ..   | County Surveyor, Wimborne.   |
| 1892 Dec. 6.   | {FLETCHER, WILLIAM WELLESLEY<br>POLE .. .. .}                       | P.W.D., Kandy, Ceylon.   |
| 1875 Feb. 2.   | FLOOD, FREDERICK, M.A. ( <i>Cantab.</i> )                           | Denfield, Dorking.   |
| 1897 Apr. 6.   | *FLOWER, ERNEST HUBERT .. ..  | {Saugor-Katni Railway, Katni,<br>C.P., India.                              |
| 1894 Dec. 4.   | FLOWER, THOMAS JAMES MOSS-  | {Carlton Chambers, Baldwin St., Bris-<br>tol. (Moss-Flower, Bristol, 756.) |
| 1890 May 20.   | FOORD, HERBERT TAYNTON .. ..  | Bursledon, Southampton.  |
| 1887 Mar. 1.   | FOOT, FREDERICK ROBERT .. ..  | {New Fastnet Works, Rock Island,<br>Skibbereen, co. Cork.                  |
| 1888 Mar. 6.   | *FORBES, ANDREW .. .. .   | 136 Otley Road, Leeds.   |
| 1896 Mar. 3.   | *FORBES, HENRY KEITH .. ..  | {Stockton and Middlesbrough Water<br>Board, Cotherstone, Darlington.       |
| 1873 May 6.    | FORD, ARCHIBALD HENRY .. ..   | 11 High Street, Portsmouth.  |
| 1892 May 24.   | {*FORD, CHARLES FREDERICK<br>VERNON .. .. .}                        | Marehay Main Colliery, Ripley,<br>Derby.                                   |
| 1883 May 29.   | *FORD, HENRY WALTER .. ..   | Calle Constitucion 1464, Buenos Aires.                                     |
| 1889 Jan. 8.   | *FORD, HUGO ROBERT .. .. .  | {J. Grant, Casilla Correo 776, Buenos<br>Aires.                            |
| 1889 Apr. 2.   | FORD, JAMES THOMAS .. .. .  | {Magdalena Ry., Cartagena, U.S.<br>Colombia.                               |

| Date of Election.  |  | ASSOCIATE MEMBERS.                                   |   |
|--------------------|--|--|---|
| 1891 Dec. 1.       |  | FORD, JOHN CUNNINGHAM ..                             | Cooke & Sons, 8 Victoria St., S.W.                          |
| 1894 Mar. 6.       |  | *FORD, THOMAS WHARTON ..                             | 9 Bridge Street, Westminster.                               |
| 1897 Jan. 12.      |  | FORDE, HENRY BLIGH ..                                | 4 Great Winchester Street, E.C.                             |
| 1890 Apr. 1.       |  | FORDER, WALTER GEORGE ..                             | { Sunningdale, Bensham Manor Road.<br>Thornton Heath.       |
| 1895 May 21.       |  | FORGIE, JAMES .. . . .                               | 8 Queen Anne's Gate, S.W.                                   |
| 1894 Dec. 4.       |  | FORREST, JOHN CHARLES ..                             | { Holly Bank Colliery, Essington,<br>Wolverhampton.         |
| ✧ 1896 Apr. 14.    |  | *FORREST, WILLIAM ROBERTSON<br>LIDDERDALE.           | { 21 Delahay Street, Westminster,<br>S.W.                   |
| 1896 Mar. 3.       |  | *FORRESTER, ARTHUR LIVESAY.                          | Lea Cottage, Malmesbury, Wilts.                             |
| ✧ 1894 May 22.     |  | { FORSTER, CHARLES EDWARD,<br>B.A. (Sydney) .. . . . | { Colonial Sugar Refining Co., Sydney,<br>N.S.W.            |
| 1882 Dec. 5.       |  | { FOSTER, EDWARD WILLIAM<br>PERCEVAL, C.M.G. .. . .  | { P.W.D., Cairo.  |
| 1890 Dec. 2.       |  | FOSTER, FRANK .. . . .                               | F. C. Oeste, Tolosa, Argentina.                             |
| 1891 Dec. 1.       |  | *FOSTER, HENRY LLEWELLYN<br>THOMAS .. . . .          | { M. Longridge, 12 King Street,<br>Manchester.              |
| 1893 Mar. 7.       |  | *FOSTER, JOHN FRANCIS .. .                           | Avenue Chambers, Belfast.                                   |
| 1890 Feb. 4.       |  | FOTHERGILL, JOHN REED ..                             | 1 Bathgate Terrace, West Hartlepool.                        |
| 1886 Mar. 2.       |  | FOWLE, FULWAR CRAVEN ..                              | Nagpur, C.P., India.  |
| ✧ 1889 Jan. 8.     |  | *FOWLER, ALEXANDER FAR-<br>QUHARSON .. . . .         | { Ribble Navigation, Preston. (Ribble,<br>Preston.)         |
| 1892 Dec. 6.       |  | *FOWLER, COLIN PROUD .. .                            | Harbour Commission, Llanelly.                               |
| t m ✧ 1896 Dec. 1. |  | *FOWLER, HENRY .. . . .                              | 69 Victoria Road, Horwich, Lanes.                           |
| 1887 Dec. 6.       |  | { FOWLER, THOMAS WALKER,<br>M.C.E. (Melb.) .. . . .  | { Blaris, Carlyle Street, Hawthorn,<br>Melbourne, Victoria. |
| ✧ 1885 Feb. 3.     |  | FOWLER, WILLIAM HENRY ..                             | Brook House, Flixton, Lanes.                                |
| 1886 Feb. 2.       |  | *FOX, CHARLES HEYLAND ..                             | Broad St. House, Old Broad St., E.C.                        |
| 1893 Dec. 5.       |  | *FOX, FRANCIS DOUGLAS, M.A.<br>(Cantab.) .. . . .    | { 28 Victoria Street, S.W. (West-<br>minster 10).           |
| 1890 Feb. 4.       |  | *FOX, GUILHERME HENRIQUE ..                          | Govt. Eng.'s Office, Selangor, S.S.                         |
| 1893 Jan. 10.      |  | *FOX, JOHN RICHARD STRATFORD                         | { F. C. Rosario, 748 Avenida de<br>Mayo, Buenos Aires.      |
| 1872 Mar. 5.       |  | FOX, WILLIAM HENRY .. .                              | Boro' Engineer, Barrow-in-Furness.                          |
| 1897 Dec. 7.       |  | *FOY, ERNEST RUDOLPH .. .                            | Chenáb Canal, Lyallpore, India.                             |
| 1884 Feb. 5.       |  | FRANCIS, HARRY .. . . .                              | Waterworks Office, Devonport.                               |
| 1884 Dec. 6.       |  | FRÄNCKEL, EDWARD .. . .                              | Atlas Works, Stockholm.                                     |
| 1879 Feb. 4.       |  | FRANCKEN, WILLIAM AUGUSTUS                           | { 20 Palace Mansions, Addison<br>Bridge, W.                 |
| 1891 Apr. 7.       |  | FRANKLIN, LUKE, B.E. (Queen's)                       | Crystal Lodge, Fleetwood.                                   |
| 1894 Jan. 9.       |  | *FRANKS, THOMAS WILLIAM ..                           | Albion Street, Lewes.                                       |
| 1892 May 3.        |  | FRASER, ALEXANDER ORME ..                            | São Paulo Ry., Jundiaby, Brazil.                            |
| 1881 Dec. 6.       |  | *FRASER, ERNEST GORDON ..                            | H. S. King & Co., 65 Cornhill, E.C.                         |
| 1879 Feb. 4.       |  | FRASER, Sir MALCOLM, K.C.M.G.                        | 15 Victoria Street, S.W.                                    |
| 1890 Apr. 1.       |  | FRASER, WILLIAM .. . . .                             | 35 St. Mary Street, Cardiff.                                |
| 1873 May 20.       |  | FRASER, WILLIAM JOHN .. .                            | 121 Adelaide Rd., Hampstead, N.W.                           |
| 1895 Dec. 3.       |  | FRECH, ALFRED SIGISMUND ..                           | { New Tredegar Dry Dock, Newport,<br>Mon.                   |
| 1893 May 2.        |  | FREEMAN, FRANCIS BREAKEY ..                          | { Erie Rld., 26 Cortlandt St., New<br>York, U.S.            |
| 1877 Dec. 4.       |  | FREEMAN, HENRY SOMERSON ..                           | Gasworks, Wandsworth, S.W.                                  |
| 1895 Apr. 2.       |  | *FRERE, FRANK HORACE .. .                            | 210 Marylebone Road, N.W.                                   |
| 1896 Dec. 1.       |  | FREW, ALEXANDER .. . . .                             | 175 Hope Street, Glasgow.                                   |
| 1890 Dec. 2.       |  | FREW, ROBERT DIXON ALISON                            | Overend & Co., Brisbane, Queensland.                        |
| 1891 Apr. 7.       |  | *FRIEDERICH, HERBERT FERDI-<br>NAND .. . . .         | { 4 Beaufort Villas, Beaufort Road,<br>Surbiton.            |
| 1893 Dec. 5.       |  | FRIEND, ASTLEY PASTON .. .                           | Ouscley House, Erith, Kent.                                 |
| 1888 Feb. 7.       |  | *FROBISHER, EDWARD .. . .                            | Boro' Engineer's Office, Leicester.                         |
| 1814 Dec. 2.       |  | FROGGATT, WILLIAM .. . .                             | Chapelton, Sheffield.                                       |
| 1882 Dec. 5.       |  | *FROST, HENRY FRANCIS BURNES                         | King, Hamilton & Co., Calcutta.                             |
| 1886 Dec. 7.       |  | *FRY, WILLIAM HENRY .. . .                           | 9 High Street, Gosport.                                     |
| 1893 Dec. 5.       |  | *FUHR, HENRY HANNAY .. . .                           | P.W.D., King William's Town, C.C.                           |

Date of  
Election.

## ASSOCIATE MEMBERS.

|    |               |  |   |
|----|---------------|--|---|
|    | 1887 Dec. 6.  | FUJIKURA, KENTATSU .. ..                             | { 4 Atagonachi Sanehome, Shib<br>Tokio, Japan.                |
|    | 1890 Jan. 14. | FULTON, DAVID .. ..                                  | 2 Garden Court, Temple, E.C.                                  |
|    | 1893 Dec. 5.  | *FURNESS, GEORGE JAMES ..                            | Roundwood House, Willesden, N.W.                              |
|    | 1896 May 19.  | { GAFFNEY, STAFFORD,<br>B.A.I. (Dubl.) .. .. }       | P.O., Middleton Cheney, Banbury.                              |
|    | 1892 Dec. 6.  | *GAGE, JOHN FRANKLIN .. ..                           | { Señor Don José M. Cortez, Bogota,<br>U.S. Columbia.         |
| m  | 1877 May 29.  | GALBRAITH, JOHN, M.A. (Toronto)                      | School of Practical Science, Toronto.                         |
| in | 1894 Dec. 4.  | *GALE, ARTHUR ROBERT .. ..                           | 5 Ashburnham Road, Bedford.                                   |
|    | 1889 May 21.  | *GALE, CHARLES HENRY .. ..                           | P.W.D., Hong Kong.  |
|    | 1893 Dec. 5.  | *GALE, WILLIAM MORRIS .. ..                          | { 18 Huntly Gardens, Kelvinside,<br>Glasgow.                  |
|    | 1895 May 21.  | GALE, WILLIAM WILLIS .. ..                           | Urban District Council, Carshalton.                           |
|    | 1891 Mar. 3.  | { *GALES, ROBERT RICHARD,<br>F.C.H. .. .. }          | King, King & Co., Bombay.                                     |
| +  | 1884 May 27.  | GALLON, WILLIAM .. ..                                | Vestry Hall, Upper St., Islington, N.                         |
|    | 1877 Dec. 4.  | { *GALLOWAY, THOMAS LINDSAY,<br>M.A. (Glas.) .. .. } | Argyll Colliery, Campbeltown, N.E.                            |
|    | 1880 Dec. 7.  | GAMBLE, SIDNEY GOMPERTZ ..                           | Fire Brigade, Southwark, S.E.                                 |
|    | 1892 Dec. 6.  | GANDON, JOHN .. ..                                   | Ottoman Gas Company, Smyrna.                                  |
|    | 1889 Mar. 5.  | *GARBUTT, MATTHEW .. ..                              | 40 Gt. James St., Bedford Row, W.C.                           |
|    | 1894 Dec. 4.  | { *GARDNER, JOHN WISHART<br>FAIRLIE .. .. }          | 15 Waverley Gardens, Crossmyloof,<br>Glasgow.                 |
|    | 1897 Dec. 7.  | *GARFIELD, JOSEPH .. ..                              | 163 Penn Road, Wolverhampton.                                 |
|    | 1890 Apr. 1.  | *GARLAND, ERNEST TALBOT COPE                         | 109 Church Road, Richmond, S.W.                               |
|    | 1891 May 5.   | *GARRARD, JOHN JERVIS .. ..                          | Nondweni. Zululand. [loway Rd., N.                            |
| +  | 1895 Apr. 2.  | GARRATT, HERBERT ALFRED ..                           | Northern Polytechnic Institute, Hol-                          |
|    | 1895 Feb. 5.  | *GARRETT, FRANK, JUN. .. ..                          | Leiston Works, Suffolk.                                       |
|    | 1890 Dec. 2.  | GARRETT, HENRY AUGUSTUS ..                           | Town Surveyor, Torquay.                                       |
|    | 1896 Dec. 1.  | GARROD, JOHN REBBECK .. ..                           | Avenida de Mayo 748, Buenos Aires.                            |
|    | 1895 Dec. 3.  | GARSIDE, EDWARD .. ..                                | { Town Hall Chambers, Ashton-under-<br>Lyne.                  |
|    | 1891 Dec. 1.  | GARSON, GEORGE, B.Sc. (Edin.)                        | { Engineer's Office, Waranga, Rush-<br>worth, Victoria.       |
|    | 1892 May 24.  | GARTHWAITE, JOHN GEORGE ..                           | Engineer's Office, Guildhall, E.C.                            |
|    | 1895 Jan. 8.  | *GASK, PERCY TILLSON .. ..                           | 29 Victoria Crescent, Eccles, Lancs.                          |
|    | 1892 Jan. 12. | GASKELL, JOHN BERRIDGE .. ..                         | Ry. & Estate Co., Milford Haven.                              |
|    | 1894 Dec. 4.  | GATEHOUSE, TOM ERNEST .. ..                          | 60 Gresham Road, Brixton, S.W.                                |
|    | 1891 Feb. 3.  | *GATES, CHASEMORE PHILIP ..                          | Tullyallan, Darwen, Lancs.                                    |
|    | 1887 Apr. 5.  | GATT, LORENZO .. ..                                  | 10 Strada Seconda, Floriana, Malta.                           |
|    | 1893 Mar. 7.  | *GELSTON, ROBERT .. ..                               | 74 George Street, Limerick.                                   |
|    | 1871 May 23.  | GENESTE, CHARLES JOHN .. ..                          | Durbungah, India.   |
|    | 1882 Dec. 5.  | *GEORGE, DUNCAN .. ..                                | King, King & Co., Bombay.                                     |
|    | 1894 Mar. 6.  | GERRAND, DAVID .. ..                                 | Box 2981, Johannesburg, Transvaal.                            |
| +  | 1890 Dec. 2.  | GHOSH, JOGINDRA NATH .. ..                           | P.W.D., Barisal, Bengal.                                      |
|    | 1897 Apr. 6.  | *GIBB, ALEXANDER .. ..                               | { Metropolitan Ry., 23 Chapter Road,<br>Willesden Green, N.W. |
|    | 1866 Feb. 6.  | GIBB, EASTON .. ..                                   | Beamsley Hall, near Skipton.                                  |
|    | 1892 Feb. 2.  | GIBBINS, WILLIAM DICKINS ..                          | 63 Victoria Road, Northampton.                                |
|    | 1888 May 15.  | GIBBON, EDWARD HARVEY .. ..                          | Asst. City Eng., Brisbane, Queens-                            |
|    | 1874 May 5.   | *GIBBONS, CHARLES PRESTON ..                         | 3 Marine Parade, Gravesend. [land.                            |
|    | 1889 Feb. 5.  | { GIBBONS, GEORGE BENJAMIN<br>ALBERT .. .. }         | Holmside, St. James Road, Dudley.                             |
| m  | 1891 Dec. 1.  | *GIBBS, LAWRENCE .. ..                               | P.W.D., Hong Kong. [W.  |
| +  | 1893 Jan. 10. | *GIBSON, GEORGE LAMBERT .. ..                        | Eng.'s Office, G. W. Ry., Paddington,                         |
|    | 1890 Jan. 14. | *GIBSON, NORMAN WALTER JOHN                          | 17 Harpur Street, W.C.  |
| +  | 1868 May 5.   | GIBSON, THOMAS .. ..                                 | { 3 Victoria Street, S.W. (Screwpile,<br>London.)             |
|    | 1835 Dec. 1.  | *GIFFORD, EDWARD .. ..                               | { Mrs. Stockbridge, The Elms, Fowl-<br>mere, Royston, Cambs.  |



|       | Date of Election. | ASSOCIATE MEMBERS.   |   |
|-------|-------------------|--|---|
|       | 1890 Jan. 14.     | *GIFFORD, HERBERT JAMES ..   | Longnor Hall, Leecebotwood, Salop.                                    |
|       | 1891 May 5.       | *GILBERT, CHARLES HUMPHREY ..                                      | { Engineer-in-Chief to the Navy<br>Valparaiso, Chili.                 |
|       | 1895 Feb. 5.      | { *GILBERT, THOMAS STEPHEN, ..<br>B.E. ( <i>Royal</i> ) .. .. .    | Harbour Office, Belfast.  |
| C +   | 1893 Dec. 5.      | *GILBERT, WILLIAM .. .. .  | 47 Victoria Street, S.W.  |
|       | 1885 Dec. 1.      | *GILES, WALTER .. .. .   | The Maples, Ventnor, I.W.   |
|       | 1883 Dec. 4.      | GILL, ALBERT AUGUSTUS .. .. .                                      | 35 Commercial Road, Pimlico, S.W.                                     |
|       | 1886 May 4.       | GILL, JOHN .. .. .   | Lea Hurst, Bangor.  |
|       | 1888 Apr. 10.     | GILL, JOHN .. .. .   | Imperial Road, Fulham, S.W.   |
| +     | 1878 Feb. 5.      | *GILL, JOHN CHARLES .. .. .  | Municipal Offices, Peterboro'.  |
|       | 1884 Mar. 4.      | *GILL, LEONARD ALDRIDGE .. .. .                                    | 5 Coleraine House, Nassau St., W.                                     |
|       | 1886 Dec. 7.      | GILLESPIE, JOHN .. .. .  | { Grand Junction Railways, King<br>William's Town, C.C.               |
|       | 1889 Dec. 3.      | GILLIES, JAMES DOUGLAS .. .. .                                     | Greymouth, New Zealand.   |
|       | 1889 Dec. 3.      | *GILLINGHAM, ALFRED JOHN .. .. .                                   | Casilla Correos 1669, Buenos Aires.                                   |
|       | 1894 May 1.       | *GILL-JENKINS, DANIEL .. .. .                                      | { Coromandel Gold Mining Co.<br>Mysore, India.                        |
|       | 1895 Jan. 8.      | GILLMAN, GUSTAVE .. .. .   | Gt. Southern Ry., Aguilas, Spain.                                     |
|       | 1891 Dec. 1.      | GILMOUR, ROBERT .. .. .  | Municipal Buildings, Greenock, N.B.                                   |
|       | 1896 Dec. 1.      | *GIVEN, ERNEST CRANSTON .. .. .                                    | The Lodge, Aigburth Vale, Liverpool.                                  |
|       | 1884 Dec. 2.      | *GLEADOW, FREDERIC .. .. .   | 13 Victoria Street, S.W.  |
|       | 1896 Jan. 14.     | *GLOVER, GEORGE TERTIUS .. .. .                                    | N.E. Ry., Loco. Dept., Gateshead.                                     |
|       | 1886 Jan. 12.     | GLOVER, JAMES, M.A. ( <i>Cantab.</i> ) .. .. .                     | Holly House, Lowton, Lancashire.                                      |
|       | 1887 Dec. 6.      | { GLOVER, RALPH STEPHEN, ..<br>M.E. ( <i>Queen's</i> ) .. .. .     | Midland Ry., Betwa, India.  |
|       | 1891 Dec. 1.      | *GLOVER, THOMAS .. .. .  | Bengal Iron Co., Barakur, Bengal.                                     |
| +     | 1888 Dec. 4.      | *GLOYNE, ROBERT MAYNARD .. .. .                                    | Town Hall, Eastbourne.  |
|       | 1885 Feb. 3.      | GODAI, RIYOSAKU .. .. .  | { Handa Silver Mine, Fukushima<br>Ken, Dategori Koorishiku, Japan.    |
|       | 1891 Mar. 3.      | GODFREY, ARTHUR HILL .. .. .                                       | Box 2926, Johannesburg, Transvaal.                                    |
|       | 1895 May 21.      | *GODFREY, BERNARD .. .. .  | District Surveyor, Rotherham.   |
|       | 1897 Dec. 7.      | *GODFREY, FREDERICK WILLIAM .. .. .                                | Govt. Rys., Stockport, S. Australia.                                  |
|       | 1897 Mar. 2.      | { *GODFREY, GEORGE COCHRANE, ..<br>B.A. ( <i>Cantab.</i> ) .. .. . | Bengal-Nagpur Railway, Garpada, India.                                |
| +     | 1888 Apr. 10.     | GODFREY, ROBERT .. .. .  | 1 Market Place, Penzance.   |
|       | 1894 May 22.      | GONZALEZ, ADOLPHUS JOSEPH .. .. .                                  | { Boulton & Co., Puerto Cabello, Vene-<br>zuela.                      |
|       | 1880 Dec. 7.      | *GOOCH, GEORGE .. .. .   | 27 Great George Street, S.W.  |
|       | 1889 Mar. 5.      | *GOOCH, HENRY JESSE .. .. .  | { Chelsea Waterworks, Commercial<br>Road, Pimlico, S.W.               |
|       | 1888 Dec. 4.      | *GOOD, GEORGE LACY .. .. .   | Table Bay Harbour, Cape Colony.                                       |
|       | 1894 Dec. 4.      | GOOD, RICHARD HENRY .. .. .  | { Waterford, Limerick & Western<br>Railway, Waterford.                |
|       | 1890 Mar. 4.      | *GOODALL, CLARENCE NOËL .. .. .                                    | { Dübs & Co., Locomotive Works,<br>Glasgow.                           |
|       | 1886 Apr. 6.      | *GOODALL, THOMAS EDWARD .. .. .                                    | 57 Fitzroy Rd., Regent's Park, N.W.                                   |
|       | 1878 Feb. 5.      | { *GOODFELLOW, ARTHUR TRETH-<br>OWAN .. .. .                       | Nagpur, C.P., India.  |
|       | 1884 Apr. 1.      | GOODFELLOW, CHARLES EDWARD .. .. .                                 | 11 Adam Street, Adelphi, W.C.   |
|       | 1894 Feb. 6.      | *GOODMAN, JAMES .. .. .  | Grand Junction Waterworks, Brent-<br>Yorkshire College, Leeds. [ford. |
| M m + | 1887 Dec. 6.      | *GOODMAN, <i>Professor</i> JOHN .. .. .                            | { Harrington Cottage, Kew Bridge<br>Road, Brentford.                  |
|       | 1894 Dec. 4.      | *GOODMAN, RICHARD .. .. .  | Boro' Engineer, Colchester.   |
|       | 1889 Apr. 2.      | GOODYEAR, HERBERT .. .. .  | Colonia, Grove Park Rd., Chiswick.                                    |
|       | 1890 Dec. 2.      | GORDON, CHARLES GRIMSTON .. .. .                                   | Bank of New Zealand Buildings,<br>Queen Street, Auckland, N.Z.        |
|       | 1888 Apr. 10.     | GORDON, HENRY ANDREW .. .. .                                       | Burgh Surveyor's Office, Aberdeen.                                    |
|       | 1894 Dec. 4.      | GORDON, JOHN .. .. .   | H. S. King & Co., 45 Pall Mall, S.W.                                  |
|       | 1886 Dec. 7.      | GORDON, WEBSTER BOYLE .. .. .                                      | 52 Foreign Street, Camberwell, S.E.                                   |
|       | 1897 Apr. 6.      | *GORE, WILLIAM .. .. .   | { 187 Westminster Bridge Road, S.E.<br>(Siebe, London.)               |
|       | 1876 Mar. 7.      | GORMAN, WILLIAM AUGUSTUS .. .. .                                   |   |

Date of  
Election.

## ASSOCIATE MEMBERS.

|                |   |   |
|----------------|---|---|
| 1887 May 3.    | GOSLETT, CHARLES ALFRED ..                        | 426 Carroll St., New Orleans, U.S.                            |
| 1898 Mar. 1.   | GOTT, CHARLES HENRY ..                            | 8 Charles Street, Bradford.                                   |
| 1877 Dec. 4.   | *GOTTO, ARTHUR CHARLES ..                         | Corry & Co., Prince's Dock, Belfast.                          |
| 1884 Dec. 2.   | *GOTTO, PERCY MURLY ..                            | 116 Gresham House, E.C.                                       |
| 1895 Jan. 8.   | GOTTO, PETER ..                                   | 50 Queen Anne's Gate, S.W.                                    |
| 1882 May 2.    | GOULD, ROBERT ..                                  | F. C. del Sud, Buenos Aires.                                  |
| 1892 Jan. 12.  | GOULDEN, THOMAS ..                                | Gasworks, Beckton.  |
| ✠ 1891 Feb. 3. | GOUTMENT, CHARLES ERNEST VERE                     | P.W.D., Delhi, Punjab.  |
| 1896 Dec. 1.   | {GOURLAY, WILLIAM FREDERICK,<br>B.Sc. (Edin.) ..} | P.W.D., Bunbury, Western Australia.                           |
| 1891 Dec. 1.   | GOW, JOHN ..                                      | The Oaks, Blakiston, S. Australia.                            |
| 1884 May 27.   | GRAÇA, JOAO CORDEIRO DA ..                        | 141 Rua dos Ourives, Rio de Janeiro,                          |
| 1878 Feb. 5.   | GRAFTON, ALEXANDER ..                             | Vulcan Works, Bedford. (Grafton,                              |
| 1874 Apr. 14.  | GRAHAM, FRANCIS EDMOND ..                         | 120 Mount Street, W. [Bedford.]                               |
| 1893 Apr. 11.  | GRAHAM, MAURICE ..                                | {Amberley House, Norfolk Street,<br>Strand, W.C.              |
| 1877 May 1.    | GRANT, ALEXANDER ..                               | Maryhill, Inverness.  |
| 1857 Feb. 3.   | GRANT, CHARLES HENRY ..                           | Addlestone, Hobart, Tasmania.                                 |
| 1883 Dec. 4.   | GRANT, ROBERT CAMPBELL ..                         | 13 Walbrook, E.C.   |
| 1898 Feb. 1.   | GRANT-BROWNING, JOHN ..                           | Hill House, Great Clacton, Essex.                             |
| 1870 Apr. 5.   | *GRAVELL, DAVID ..                                | 6 Queen Anne's Gate, S.W.                                     |
| 1886 Jan. 12.  | GRAY, ANDREW PATON ..                             | Govt. Rys., Colombo, Ceylon.                                  |
| 1888 May 15.   | GRAY, CHRISTIAN HAMILTON ..                       | Telegraph Works, Silvertown, E.                               |
| 1897 Apr. 6.   | GRAY, FRANK JAMES ..                              | 9 Upper King Street, Norwich.                                 |
| 1896 May 5.    | {GRAY, GEORGE DAVID,<br>B.A.I. (Dubl.) ..}        | Eng.'s Office, City Hall, Dublin.                             |
| 1892 Jan. 12.  | *GRAY, HENRY HOLMES ..                            | Farley Hill Place, near Reading.                              |
| 1875 Mar. 2.   | GRAY, MATTHEW ..                                  | Lessness Park, Abbey Wood, Kent.                              |
| 1897 Mar. 2.   | *GRAY, ROBERT BRUCE MCGREGOR                      | Gowthorpe, Selby.   |
| 1891 Apr. 7.   | GRAY, WILLIAM ..                                  | 44 Broad Street, Birmingham.                                  |
| 1888 May 15.   | GRAY, WILLIAM ERNEST ..                           | Telegraph Works, Silvertown, E.                               |
| 1891 May 5.    | GRAY, WILLIAM WYTHEES ..                          | 4 Benet Street, Cambridge.                                    |
| 1885 May 19.   | GREATHEAD, WALTER HORATIO                         | Salisbury, Rhodesia.  |
| 1890 Dec. 2.   | *GREATOREX, ALBERT DANIEL                         | Boro' Engineer, West Bromwich.                                |
| 1888 Apr. 10.  | GREEN, EDWARD BAKER ..                            | Burdett Works, Limehouse, E.                                  |
| 1898 Apr. 5.   | *GREEN, FREDERICK DAVIES ..                       | Glengall, Wanstead, E.  |
| 1887 Apr. 5.   | *GREEN, GEORGE ..                                 | Town Hall, Charing Cross, W.C.                                |
| 1891 Dec. 1.   | *GREEN, GEORGE WILLIAM ..                         | {Brush Electrical Eng. Co., 49 Queen<br>Victoria Street, E.C. |
| 1879 Apr. 1.   | GREEN, HENRY ..                                   | Gas Company, Preston.   |
| 1889 Apr. 2.   | *GREEN, ROBERT ..                                 | Clarence Rd., King's Heath, Birmingham.                       |
| 1895 May 21.   | *GREENE, LOUIS ..                                 | East Indian Ry., Calcutta. [ham.                              |
| 1885 Mar. 3.   | GREENHILL, FREDERICK MORRIS                       | 1 Church Road, Penarth, Cardiff.                              |
| 1865 May 2.    | GREENHILL, THOMAS ARTHUR                          | Almirante 5, Madrid.  |
| 1897 Feb. 2.   | *GREENHOUGH, FREDERICK HARRY                      | Admiralty Harbour Works, Dover.                               |
| 1884 Apr. 1.   | GREENLEES, ARCHIBALD ..                           | The Elms, Park Lane, Tottenham.                               |
| 1893 Dec. 5.   | GREENSHIELDS, NORMAN ..                           | City Surveyor's Office, Birmingham.                           |
| 1891 Dec. 1.   | GREENWELL, ALLAN ..                               | The Quarry, 5 Arundel Street, W.C.                            |
| 1893 Dec. 5.   | GREENWOOD, CLAUDE ..                              | Karori, near Wellington, N.Z.                                 |
| 1878 May 7.    | *GREENWOOD, WILLIAM ..                            | Croydon, nr. Sydney, N.S.W.                                   |
| 1876 Apr. 4.   | GREGORY, CHARLES CURRIE ..                        | Antigonish, Nova Scotia.                                      |
| 1892 Feb. 2.   | *GREGSON, GEORGE LEOPOLD ..                       | {Electric Construction Corporation.<br>Wolverhampton.         |
| 1889 Feb. 5.   | *GREGSON, HERBERT BOYS ..                         | 61 Hornsey Rise Gardens, N.                                   |
| 1890 May 6.    | GREGSON, JOHN ..                                  | Woodbine House, Padiham, Lancs.                               |
| 1886 Dec. 7.   | GREIG, ALFRED BURNES ..                           | St. Dunstan's House, Idol Lane, E.C.                          |
| ✠ 1875 Apr. 6. | GREIG, ANDREW ..                                  | {3 Duntrune Terrace, Broughtly<br>Ferry, N.B.                 |
| ✠ 1881 Dec. 6. | GRESLEY, WILLIAM STUKELEY                         | 348 West 8th Street, Erie, Pa., U.S.                          |
| 1898 Apr. 5.   | GREY, WILLIAM CHARLES ..                          | {Ry. Construction Branch, P.W.D.,<br>Sydney, N.S.W.           |
| ✠ 1876 Dec. 5. | GRIBBLE, THEODORE GRAHAM                          | {Midland & G. N. Railways, Melton<br>Constable.               |



| Date of Election.   |   | ASSOCIATE MEMBERS.   |  |
|---------------------|---|--|--|
| 1880 Apr. 6.        | *GRIERSON, CHARLES JAMES ..                         | San Francisco Ry., Bahia, Brazil.                                      |  |
| 1893 Dec. 5.        | GRIFFIN, ALBERT EDWIN ..                            | { S. Pearson & Son, Harbour Works, Dover.                              |  |
| 1881 Dec. 6.        | GRIFFIN, BEVERLEY .. ..                             | { Electric Tramways, College Chambers, Warren Place, Cork.             |  |
| 1894 May 1.         | GRIFFIN, THOMAS ROBERT ..                           | Yorick Club, Melbourne, Victoria.                                      |  |
| 1892 Jan. 12.       | GRIFFITH, PERCY .. ..                               | 55 Victoria Street, S.W.   |  |
| 1893 Dec. 5.        | { GRIFFITHS, ANDRÉ PIERRE, B.Sc. (Paris) .. ..      | { Box 336, Auckland, N.Z.  |  |
| 1894 Dec. 4.        | GRIFFITHS, HARRY DENIS ..                           | Box 311 Auckland, N.Z.   |  |
| W C ✕ 1874 Jan. 13. | { *GRIFFITHS, JOHN ALFRED, B.Sc. (Victoria) .. ..   | { Peel Street, South Brisbane, Queensland.                             |  |
| 1887 Apr. 5.        | GRIFFITHS, WALTER GEORGE                            | Rhymney Ry., Cardiff.  |  |
| 1878 May 28.        | GRIFFITHS, WILLIAM .. ..                            | 61 Sinclair Road, Kensington, W.                                       |  |
| 1890 Apr. 1.        | *GRIMES, ARTHUR JOHN LUND                           | Indian Telegraph Dept., Bombay.  |  |
| 1886 Dec. 7.        | *GRIMLEY, SAMUEL SLATER ..                          | District Council, Hendon, N.W.   |  |
| 1897 Apr. 6.        | *GRIMSHAW, FREDERICK HENRY                          | Boro' Engineer's Office, Birkenhead.                                   |  |
| 1879 Mar. 4.        | { GRIMSHAW, JAMES ROBERT, B.A.I. (Dubl.) .. ..      | { London County Council, Spring Gardens, S.W.                          |  |
| 1886 Dec. 7.        | *GRITTON, CHARLES EDWARD ..                         | The Briars, Selhurst.  |  |
| 1879 Apr. 1.        | *GROSE, ARTHUR .. ..                                | { Misterton, East Park Parade, Northampton.                            |  |
| 1898 Apr. 5.        | GROVE, CHARLES EDWARD ..                            | Thames Ironworks, Blackwall, E.  |  |
| 1850 Dec. 3.        | GROVE, EDMUND .. ..                                 | Norlington, Preston, Brighton.   |  |
| 1889 Dec. 3.        | *GROVE, FRANK .. ..                                 | Assam-Bengal Ry., Golaghat, Assam.                                     |  |
| 1895 Apr. 2.        | *GROVER, FREDERICK .. ..                            | The Yorkshire College, Leeds.  |  |
| 1877 May 29.        | GROVES, LEONARD .. ..                               | 32 Amptill Square, N.W.  |  |
| 1889 Jan. 8.        | GROVES, LEVY JOHN .. ..                             | Crianan Canal, Ardrishaig, N.B.  |  |
| 1888 Feb. 7.        | GRUNWELL, HARTLEY .. ..                             | { 6 Randolph Gardens, Salisbury Road, Dover.                           |  |
| 1896 Dec. 1.        | GUADAGNI, BERNARDO .. ..                            | Hewell Grange, Redditch.   |  |
| 1894 Feb. 6.        | *GUEST, RICHARD, Jun. .. ..                         | Sharp, Stewart & Co., Glasgow.   |  |
| 1878 Feb. 5.        | { *GUILLEMIARD, ARTHUR FRANKLIN, B.A. (Oxon.) .. .. | { Casilla 771, Valparaiso, Chili.                                      |  |
| 1884 Jan. 8.        | *GUINNESS, ARTHUR PERCY ..                          | Brewery, Wotton-under-Edge.  |  |
| 1894 Dec. 4.        | GUINNESS, HENRY SEYMOUR ..                          | Burton Hall, Stillorgan, co. Dublin.                                   |  |
| 1896 Dec. 1.        | *GULLAN, HECTOR FREEMAN ..                          | Eng.'s Office, L. & N.W. Ry., Crewe.                                   |  |
| 1882 Apr. 4.        | GUMBLEY, WILLIAM .. ..                              | { British Electric Traction Co., Donington House, Norfolk Street, W.C. |  |
| 1889 Dec. 3.        | GUNYON, CHARLES JAMES ..                            | 30 Clarence Road, Wood Green, N.                                       |  |
| 1880 May 25.        | *GUNYON, THOMAS PERCY ..                            | Chislehurst, Kent.   |  |
| 1892 Dec. 6.        | GUTHRIE, JAMES KENNETH ..                           | { Prudential Buildings, Mosley Street, Newcastle-on-Tyne.              |  |
| † ✕ 1890 Apr. 1.    | GUTTMANN, OSCAR .. ..                               | 12 Mark Lane, E.C.   |  |
| 1891 Dec. 1.        | *GUYATT, THOMAS ALEXANDER                           | Gasworks, Ely.   |  |
| 1885 Dec. 1.        | HADFIELD, FREDERICK JOSEPH                          | 4 Ashgate Rd., Broomhill, Sheffield.                                   |  |
| 1892 Dec. 6.        | HAHN, DANIEL MEINERTS ..                            | Port of Spain, Trinidad.   |  |
| 1885 Dec. 1.        | HAIGH, JONATHAN .. ..                               | Town Hall, Abergavenny. [Trent.  |  |
| 1879 May 27.        | HAINES, JOSEPH RICHARD ..                           | Adderley Green Colliery, Stoke-on-                                     |  |
| 1895 Mar. 5.        | HALDEN, GEORGE MASON ..                             | { Central London Ry., 8 Queen Anne's Gate, S.W.                        |  |
| 1889 Mar. 5.        | HALL, ALBERT FRANCIS ..                             | { The G. F. Blake Mfg. Co., Third St., East Cambridge, Mass., U.S.     |  |
| 1890 Apr. 1.        | HALL, CARL .. ..                                    | Grosvenor House, Swansea.  |  |
| 1870 May 24.        | HALL, CHARLES .. ..                                 | P. & O. Co., 122 Leadenhall St., E.C.                                  |  |
| 1892 Dec. 6.        | HALL, HARRY .. ..                                   | { 6 Ashmere Grove, Acre Lane, Brixton, S.W.                            |  |
| 1879 Feb. 4.        | HALL, JOSEPH .. ..                                  | Borough Surveyor, Cheltenham.  |  |
| 1894 Dec. 4.        | *HALL, LEONARD GEORGE ..                            | Gas and Waterworks, Rhyl.  |  |
| 1894 Feb. 6.        | { HALL, THOMAS ANDREW, B.E. (Royal) .. ..           | { Buncrana & Carndonagh Ry., Buncrana, co. Donegal.                    |  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|                |   |  |
|----------------|---|--|
| 1890 Feb. 4.   | HALL, THOMAS BERNARD ..                               | { 119 Colmore Row, Birmingham.<br>(Tamar, Birmingham.)             |
| 1891 Jan. 13.  | HALL, WATKIN .. ..                                    | Local Board, Gt. Crosby, Liverpool.                                |
| 1897 Dec. 7.   | HALL, WILLIAM .. ..                                   | B.B. & C.I. Ry., Bombay.   |
| 1885 Dec. 1.   | HALLER, JAMES CRACROFT ..                             | Savile Town, Dewsbury.   |
| 1886 Mar. 2.   | HALLIDAY, JOHN .. ..                                  | Harbour Trust, Melbourne, Victoria.                                |
| 1869 Apr. 6.   | HAMBLETON, FRANCIS HENRY ..                           | Hambleton & Co., Baltimore, U.S.                                   |
| 1897 Apr. 6.   | HAMBY, GEORGE HENRY ..                                | Town Hall, Lowestoft.  |
| 1895 Dec. 3.   | *HAMER, WILLIAM HENRY ..                              | Engineer's Office, Tilbury Docks.                                  |
| 1882 Feb. 7.   | *HAMILTON, EDWARD .. ..                               | Rigwood, Saltburn-by-the-Sea.                                      |
| 1892 Mar. 1.   | HAMILTON, RICHARD GORDON {                            | Natal & Zululand Railway, Umklali,<br>S. Africa.                   |
| 1892 May 24.   | *HAMILTON, WILLIAM LEIGH ..                           | 65 Underhill Rd., Forest Hill, S.E.                                |
| 1891 Feb. 3.   | *HAMMOND, PHILIP .. ..                                | Caixa 291, São Paulo, Brazil.                                      |
| 1882 May 23.   | *HAMP, HENRY JOSEPH .. ..                             | Surveyor, Swindon.   |
| 1891 Dec. 1.   | *HANCKEL, ROBERT STUART ..                            | Casilla 377, San José, Costa Rica.                                 |
| 1883 Dec. 5.   | HANCOCK, HARRY .. ..                                  | Box 373, Johannesburg, Transvaal.                                  |
| 1895 Dec. 3.   | HANCOCK, HENRY LIPSON ..                              | Moonta Mines, South Australia.                                     |
| 1894 Apr. 3.   | *HANDCOCK, HENRY WILLIAM ..                           | 1 Victoria Street, S.W.  |
| 1876 Feb. 1.   | HANDLEY, HENRY JOHN .. ..                             | Hill Crest, Pennant Hills, N.S.W.                                  |
| 1874 Feb. 3.   | HANNAH, JOSEPH EDWARD ..                              | Bristol Waterworks, Blagdon.                                       |
| 1893 Feb. 7.   | HANNING, THOMAS .. ..                                 | 2 Collingwood St., Newcastle-on-Tyne.                              |
| 1881 Jan. 11.  | HANSON, JOHN HENRY .. ..                              | 20 Ramsden Street, Huddersfield.                                   |
| 1893 Dec. 5.   | HARDIE, WILLIAM, Jun. ..                              | Gasworks, North Shields.   |
| m 1874 Mar. 3. | { *HARDINGHAM, GEORGE GATTON }<br>MELHUISE .. ..      | { Clun House, Surrey Street, Strand,<br>W.C. (Hardingham, London.) |
| 1894 Mar. 6.   | *HARDMAN, ERNEST WILLIAM ..                           | Cambrian Rys., Oswestry.   |
| 1890 Dec. 2.   | { *HARDWICK, FRANCIS WILLIAM,<br>M.A. (Oxon.) .. ..   | { 15 North Church Street, Sheffield.                               |
| 1890 Dec. 2.   | *HARDY, CHARLES CHETWODE ..                           | E. I. Ry., Calcutta.   |
| 1886 Apr. 6.   | { *HARGRAVE, JOSHUA HARRISON,<br>B.A. (Queen's) .. .. | { Gt. Northern Ry., Amiens St., Dublin.                            |
| 1882 Dec. 5.   | { HARGREAVES, ALBERTO JOSEPH<br>PIMENTEL .. ..        | { 8 Great Winchester Street, E.C.                                  |
| 1884 Mar. 4.   | HARGREAVES, CHARLES FLEMING ..                        | Caixa 531, Rio de Janeiro. [Pk., W.                                |
| 1880 Dec. 7.   | HARGROVE, JOHN EDWARD ..                              | 1 Colville Mansions, Kensington                                    |
| 1895 Feb. 5.   | HARKER, WILLIAM .. ..                                 | Cannon Street House, E.C.  |
| 1888 Jan. 10.  | HARLEY, ARTHUR .. ..                                  | Caixa 531, Rio de Janeiro.   |
| 1897 Mar. 2.   | HARLOCK, HAROLD .. ..                                 | 3 Clifton Terrace, Southend-on-Sea.                                |
| 1890 Jan. 14.  | *HARNETT, ARTHUR .. ..                                | Thames Conservancy, Embankment,                                    |
| 1891 Feb. 3.   | HARPER, HERBERT WILLIAM ..                            | 63 Pitt Street, Sydney, N.S.W. [E.C.                               |
| 1893 Dec. 5.   | HARPER, LOUIS .. ..                                   | 115 Union Street, Aberdeen.  |
| ✠ 1886 Dec. 7. | HARPER, WALTER ANDREW ..                              | Billiter Square Buildings, E.C.                                    |
| 1897 Apr. 6.   | HARRAP, GEORGE THOMAS ..                              | 34 Queen Street, Cannon St., E.C.                                  |
| 1890 May 6.    | HARRIOTT, GEORGE MOSS ..                              | P.W.D., Raipur, C.P., India. [shire.                               |
| ✠ 1890 Apr. 1. | HARRIS, FRANK, B.A. (Oxon.) ..                        | Maryland, Saundersfoot, Pembroke-                                  |
| 1896 Dec. 1.   | HARRIS, GORDON WILLIAM ..                             | { Merryweather & Sons, Greenwich<br>Road, S.E.                     |
| 1895 Dec. 6.   | HARRIS, JOHN PARKER .. ..                             | Kingsbury, South Norwood Hill, S.E.                                |
| 1883 Feb. 3.   | HARRIS, RICHARD .. ..                                 | 3 Vinery Villas, Regent's Park, N.W.                               |
| 1889 Dec. 3.   | HARRIS, SAMUEL CHARLES ..                             | 54 Cannon Street, E.C.   |
| 1889 Dec. 3.   | *HARRISON, ARTHUR .. ..                               | { St. George's Vestry Hall, Borough<br>Road, S.E.                  |
| 1879 Mar. 4.   | *HARRISON, EDMUND PONTIFEX ..                         | Klerksdorp, Transvaal.   |
| 1889 Dec. 3.   | HARRISON, EDWARD HENRY ..                             | Madero Port Works, Buenos Aires.                                   |
| 1875 Apr. 6.   | HARRISON, GEORGE DAY .. ..                            | Staffs. Potteries Waterworks, Hanley.                              |
| 1884 Feb. 5.   | HARRISON, GEORGE HOWARD ..                            | Thornton, near Ryde, I.W.  |
| 1885 Apr. 14.  | { HARRISON, HUGH ERAT,<br>B.Sc. (Lond.) .. ..         | { 2 Park Place, Regent's Park, N.W.                                |
| 1892 Jan. 12.  | *HARRISON, JOHN FREDRICK ..                           | { Cunsingham, Blyth, & Westland,<br>135 George St., Edinburgh.     |
| ✠ 1887 Dec. 6. | HARRISON, JOSEPH .. ..                                | { Royal College of Science, Kensing-<br>ton, S.W.                  |

| Date of Election.  |   | ASSOCIATE MEMBERS.                                |  |
|--------------------|---|---|--|
| 1892 Apr. 5.       | { | *HARRISON, OCTAVIAN JOHN<br>ALFRED .. .. .        | 76 Holland Road, Kensington, W.                              |
| 1888 May 1.        | * | HARRISON, OLIVER HERBERT ..                       | Apartado 696, Mexico City.                                   |
| 1889 Feb. 5.       | { | *HARRISON, THOMAS CHARLES<br>JOHN .. .. .         | The Firs, Breaston, Derby.                                   |
| 1887 May 24.       |   | HARRISON, WILLIAM JOSEPH ..                       | { 7 Carteret Street, Westminster, S.W.<br>(Rubrica, London.) |
| 1879 May 27.       |   | HARRISON, THOMAS HARNETT                          | { Central Buildings, North John<br>Street, Liverpool.        |
| 1891 Feb. 3.       |   | HARSTON, WILLIAM .. ..                            | Town Surveyor, High St., Dartford.                           |
| 1869 Feb. 2.       |   | HART, CHARLES .. ..                               | 3 Avenue Road, Leamington.                                   |
| 1894 Dec. 4.       |   | HART, HENRY SEBASTIAN ..                          | Waterworks, Shanghai, China.                                 |
| 1877 Feb. 6.       |   | HART, JAMES .. ..                                 | Auburn, King Co., Washington, U.S.                           |
| 1894 Dec. 4.       | * | HART, PATRICK CAMPBELL ..                         | John Finnie St., Kilmarnock, N.B.                            |
| 1892 Dec. 6.       | * | HART, THOMAS .. ..                                | Tharsis Mines, Huelya, Spain.                                |
| 1893 Jan. 10.      |   | HARTLEY, JOHN .. ..                               | 11 Monks Hall Grove, Eccles.                                 |
| 1886 Mar. 2.       | * | HARTLEY, RICHARD JAMES ..                         | Town Hall, Halifax.  |
| 1867 Apr. 2.       |   | HARTREE, WILLIAM .. ..                            | Havering, Tunbridge Wells.                                   |
| 1892 Jan. 12.      |   | HARVEY, FRANCIS GEORGE ..                         | Le Désir, Canal No. 1, Demerara.                             |
| 1896 Feb. 4.       |   | HARVEY, FRANCIS JOSEPH ..                         | King, King & Co., Bombay.                                    |
| 1890 May 6.        |   | HARVEY, JOHN BROWN .. ..                          | Northern & Wn. Ry., Newfoundland.                            |
| t ✕ 1880 Dec. 7.   |   | HARVEY, ROBERT .. ..                              | 1 Palace Gate, W.  |
| 1892 Dec. 6.       |   | HARVEY, ROBERT FALKLAND                           | 17 Water Street, Liverpool.                                  |
| S t ✕ 1873 Apr. 1. |   | HARVEY, THOMAS FLETCHER ..                        | Merthyr Tydfil.  |
| 1892 Feb. 2.       | * | HARVEY, THOMAS FRANCIS ..                         | Purland Chase, Ross, Herefordshire.                          |
| ✕ 1885 Feb. 3.     |   | HASEGAWA, KINSKE .. ..                            | Nippon Tetsudo Kwaisha, Tokio,                               |
| 1898 Feb. 1.       |   | HASELDEN, ARTHUR .. ..                            | Linares, Jaen, Spain. [Japan.                                |
| 1898 Feb. 1.       |   | HASELDEN, EUGENE KINNAIRD                         | La Carolina, Jaen, Spain.                                    |
| 1888 Feb. 7.       | { | *HASKETT - SMITH, EDMUND<br>LYONS WELLESLEY .. .. | 34 Russell Road, Kensington, W.                              |
| 1890 May 6.        |   | HASSARD, CHARLES .. ..                            | { General Hassard, C.B., Hoddesdon,<br>Herts.                |
| 1884 Feb. 5.       | * | HASSELL, LLOYD .. ..                              | Ry. Dept., Brisbane, Queensland.                             |
| 1896 Dec. 1.       | * | HASSELL, WILLIAM FRANCIS ..                       | Govt. Ry., Lagos, West Africa.                               |
| 1895 Dec. 3.       | { | { HATCH, FREDERICK HENRY,<br>Ph.D. (Bonn) .. ..   | Oakley Lodge, Addlestone, Surrey.                            |
| 1897 Mar. 2.       | * | HATT, JOHN JOSEPH .. ..                           | 15 South Cliff, Lowestoft.                                   |
| 1883 May 1.        |   | HAUGHTON, WALTER RALEIGH                          | Grindlay & Co., 55 Parliament St., S.W.                      |
| 1891 May 5.        | { | { HAWES, FREDERICK BENJAMIN<br>OLIPHANT .. ..     | 1 Wellington Chambers, Bucking-<br>ham Gate, S.W.            |
| 1890 Mar. 4.       | * | HAWKINS, HERBERT SPONG ..                         | P.O., Kirikiriroa, Waikato, N.Z.                             |
| 1894 Dec. 4.       |   | HAWKINS, ISAAC THOMAS ..                          | { Colonial Institute, Northumberland<br>Avenue, W.C.         |
| 1881 Dec. 6.       | { | { HAWKINS, ROBERT WILLIAM<br>LYONS .. ..          | Eastern Jumna Canal, Saharanpur,<br>India.                   |
| 1893 May 2.        |   | HAWKINS, RUPERT SKELTON ..                        | Midland Ry., Jhansi, India.                                  |
| 1892 Feb. 2.       | * | HAWKINS, SYDNEY SANDERSON                         | Assam Ry., Dibrugarh, Assam.                                 |
| 1893 Dec. 5.       | * | HAWKINS, T. HAROLD .. ..                          | 3 Rua da Bandeirinha, Oporto.                                |
| 1895 May 21.       |   | HAWKESLEY, JOSEPH .. ..                           | Waterworks, Portsmouth.                                      |
| 1897 Apr. 6.       |   | HAWKESLEY, KENNETH PHIPSON                        | 30 Great George Street, S.W.                                 |
| 1893 Dec. 5.       |   | HAWLEY, CECIL EDWARD ..                           | Midland Ry., Morecambe.                                      |
| 1891 May 5.        |   | HAWTREY, ALBERT NICHOLLS                          | 59 Lady Margaret Road, N.W.                                  |
| 1897 Apr. 6.       |   | HAY, JOHN ANGUS .. ..                             | Dick, Kerr & Co., 110 Cannon St., E.C.                       |
| 1890 May 6.        | { | { HAYCROFT, JAMES ISAAC,<br>M.E. (Queen's) .. ..  | Ocean St., Woollahra, Sydney, N.S.W.                         |
| 1879 Dec. 2.       |   | HAYES, HERBERT EDWARD HORACE                      | P.W.D., Galle, Ceylon.                                       |
| 1876 Dec. 5.       |   | HAYES, JOHN .. ..                                 | 55 Steep Hill, Lincoln.                                      |
| 1897 Jan. 12.      |   | HAYES, ROBERT THOMAS ..                           | Town Hall, Fleetwood.  |
| 1894 Mar. 6.       | * | HEAD, ARCHIBALD POTTER ..                         | { 47 Victoria Street, S.W. (Westmin-<br>ster. 237.)          |
| 1894 Feb. 6.       | * | HEAD, D'ESTERRE PRITIE ..                         | Govt. Rys., Maritzburg, Natal.                               |
| 1898 Apr. 5.       | * | HEAD, HENRY COLEMAN ..                            | Gasworks, Branksome, Bournemouth.                            |
| 1894 Dec. 4.       |   | HEAP, DOUGLAS THEODORE ..                         | { Waterloo & City Ry., Launcelot<br>Street, S.E.             |

| Date of Election. |   | ASSOCIATE MEMBERS.  |           |
|-------------------|---|---|-----------|
| 1895 Dec. 3.      | HEAP, HERBERT .. .. .   | Boro' Engineer's Office, Grimsby.   |           |
| 1882 Dec. 5.      | HEAPHY, FRANCIS BRADSTREET  | 49 Earlsfield Road, Wandsworth, S.W.                                      |           |
| 1883 Feb. 6.      | HEAPHY, THOMAS MUSGRAVE   | 19 Lombard St., E.C.  |           |
| 1873 May 20.      | *HEATH, ARTHUR HENRY .. ..  | Royal Indian Eng. Coll., Staines.   |           |
| 1893 Feb. 7.      | HEATH, REGINALD HEPBURN ..  | Grindlay, Groom & Co., Bombay.  |           |
| 1893 May 16.      | *HEATHCOTE, CHARLES FRANCIS   |   |           |
| 1893 Dec. 5.      | { *HEATHCOTT, JOHN<br>M.Sc. ( <i>Victoria</i> ) .. .. . }             | L. & N. W. Ry., Lancaster.  |           |
| 1892 Jan. 12.     | { HEATHER, HENRY JAMES SHED-<br>LOCK, B.A. ( <i>Oxon.</i> ) .. .. . } | Moodie's, Barberton, Transvaal.   |           |
| 1891 Apr. 7.      | HEATHLIE, ARTHUR, B.A. ( <i>Cantab.</i> )                             | Govt. Rys., Cape Town, C.C.   |           |
| 1890 May 6.       | HEATLY, HARRY .. .. .   | Ballygunge, West Hill Road, S.W.  |           |
| 1895 Apr. 2.      | *HEATON, FREDERICK GEORGE ..  | King Street, Wigan.   |           |
| 1884 Jan. 8.      | HEATON, GEORGE .. .. .  | King Street, Wigan.   |           |
| 1893 Jan. 10.     | { *HEATON-ELLIS, SYDNEY THOMAS<br>EDWARD .. .. . }                    | Barvins, Ravenscroft Park, Barnet.  |           |
| 1889 Dec. 3.      | *HEBB, SIDNEY BEDFORD BEVES   | Springwood, Harrow-on-the-Hill.   |           |
| ✠ 1892 Dec. 6.    | { HEBBERT, ERNEST GEORGE,<br>B.A. ( <i>Cantab.</i> ) .. .. . }        | Aysgarth, Tunbridge Wells.  |           |
| m 1886 Dec. 7.    | *HEBBLETHWAITE, FRANK HIRST   | Caixa 148, Manaos, Brazil.  |           |
| 1896 Dec. 1.      | *HEBERDEN, LOUIS EDWARD ..  | Ry., Harrismith, Orange Free State.                                       |           |
| 1892 May 24.      | HECTOR, MAXIMILIAN .. .. .  | Bodenheim bei Mainz, Germany.   |           |
| 1896 Dec. 1.      | HECTOR, WILLIAM .. .. .   | { Rodney Irrigation & Water Supply<br>Trust, Tatura, Victoria.            |           |
| 1886 Mar. 2.      | { *HEDERSTEDT, WILLIAM ROBERT<br>PAUL .. .. . }                       | British Electric Traction Co., Don-<br>ington House, Norfolk Street, W.C. |           |
| 1876 Dec. 5.      | HEDGMAN, WILLIAM SOUTHWOOD  | 75 Upper Ground Street, S.E.  |           |
| ✠ 1889 Feb. 5.    | HEINKÉ, EDWIN HARRY ALFRED  | La Guaira Ry., Caracas, Venezuela.  |           |
| 1889 Dec. 3.      | HELPS, JAMES WILLIAM .. ..  | Gasworks, Croydon.  |           |
| 1896 May 19.      | *HEMINGWAY, WILLIAM .. ..   | 889 Fulham Road, S.W.   |           |
| 1893 Dec. 5.      | HENDERSON, ARTHUR JAMES ..  | Thames Ditton, Surrey.  |           |
| 1894 Dec. 4.      | HENDERSON, BRODIE HALDANE   | Broad Street Avenue, E.C.   |           |
| 1895 Dec. 3.      | *HENDERSON, GILBERT REGINALD  | Briar Ghyll, Maritzburg, Natal.   |           |
| 1890 Feb. 4.      | { *HENDERSON, HECTOR WILLIAM<br>BAILLIE .. .. . }                     | Brisbane, Queensland.   |           |
| ✠ 1882 May 23.    | *HENDERSON, HERBERT .. ..   | { 27 Cowper Street, Chapeltown Road,<br>Leeds.                            |           |
| 1892 Mar. 1.      | HENDERSON, JOHN JAMES ..  | Shahrigh, Beluchistan.  |           |
| 1893 Dec. 5.      | HENDERSON, ROBERT .. ..   | Harbour, Burntisland, N.B.  |           |
| 1885 Jan. 13.     | { *HENDERSON, STEPHEN,<br>M.A. ( <i>Aberd.</i> ) .. .. . }            | 63 Pitt St., Sydney, N.S.W.   |           |
| 1893 Mar. 7.      | HENNINGER, DANIEL .. ..   | 11 General Camara, Rio de Janeiro.  |           |
| 1881 Dec. 6.      | *HENRIQUES, CECIL QUIXANO ..  | 15 Victoria St., S.W. (Drague, London.)                                   |           |
| 1896 Jan. 14.     | { *HENRIQUES, EDGAR HENRY<br>QUIXANO .. .. . }                        | Victoria Foundry, Savile Town,<br>Dewsbury.                               |           |
| 1885 Jan. 13.     | HENSHALL, EDWARD .. ..  | Estate Office, Woolacombe, N. Devon.                                      |           |
| 1892 Dec. 6.      | HENSON, JOSHUA BINNINGTON   | { Hunter District Board, Newcastle,<br>N.S.W.                             |           |
| ✠ 1889 May 7.     | HENZELL, CHARLES GEORGE ..  | Waterworks, Horsley, Otterburn.   |           |
| 1883 Dec. 4.      | *HERBERT, ARTHUR WILLIAM ..   | Roadside Bag, Maritzburg, Natal.  |           |
| 1893 Mar. 7.      | HERBERT, DAVID WILLIAM ..   | Hyderabad, Sind, India.   |           |
| 1897 Dec. 7.      | { HERDMAN, GEORGE WALKER,<br>M.A., B.Sc. ( <i>Edin.</i> ) .. .. }     | 6 St. George's Chambers, Cape<br>Town, C.C.                               |           |
| 1894 Dec. 4.      | *HERIOT, GERALD MAITLAND ..   | Hadlong, North Cachar Hills, India.                                       |           |
| 1891 Mar. 3.      | HERNU, ARTHUR HENRY .. ..   | 69 Victoria Street, S.W.  |           |
| 1891 Dec. 1.      | HERRIOT, WILLIAM SCOTT ..   | 187 Osmaston Road, Derby.   |           |
| 1885 Jan. 13.     | *HERSEY, GEORGE WILLIAM ..  | { Model City Estate Agency, 8 Regent<br>Street, S.W.                      |           |
| 1895 Mar. 5.      | HESKETH, JOHN .. .. .   | { Postal Telegraph Dept., Brisbane,<br>Queensland.                        |           |
| 1896 Feb. 4.      | *HESLOP, JOHN GEORGE .. ..  | Haswell, Sunderland.  |           |
| 1878 Feb. 5.      | *HESS, ALBERT JOSIAH .. ..  | 7 Lothbury, E.C.  | [chester. |
| t ✠ 1896 Mar. 3.  | HETHERINGTON, JOSEPH .. ..  | 45 Wellington Road, Eccles, Man-  | L 2       |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                      |   |   |
|----------------------|---|---|
| 1874 Dec. 1.         | HEWAT, WILLIAM MARSHALL                         | Ministry of Public Works, Cairo.                                  |
| 1898 Apr. 5.         | HEWETT, BERTRAM HENRY ..                        | Grant House, The Fort, Bombay.                                    |
| 1895 Apr. 2.         | HEWITT, ALFRED HERBERT ..                       | { Green Island Cement Works, Macao, China. [Bristol.              |
| 1876 Feb. 1.         | HEWITT, GEORGE COLTHURST                        | Serridge House, Coalpit Heath,                                    |
| 1889 May 21.         | *HEWSON, GEORGE .. .. .                         | Boro' Engineer's Office, Leeds.                                   |
| 1894 Dec. 4.         | *HEWSON, THOMAS, Jun. .. ..                     | Park Cottage, Roundhay, Leeds.                                    |
| 1890 Dec. 2.         | HICK, GEORGE WILLIAM .. ..                      | 86 Hereford Road, Bayswater, W.                                   |
| 1896 Dec. 1.         | *HICKSON, GEORGE FORSTER ..                     | P. W. D., Perth, Western Australia.                               |
| 1887 May 24.         | HIDE, WILLIAM SEYMOUR .. ..                     | { 10 Lydhurst Avenue, Streatham Hill, S.W.                        |
| 1889 Dec. 3.         | { HIGGENS, THOMAS WAGHORN<br>ELFORD .. .. .     | 1 Edith Terrace, Chelsea.   |
| 1896 Dec. 1.         | HIGGINS, FRANCIS BOVILL .. ..                   | Minas de Rio Tinto, Huelva, Spain.                                |
| 1888 Jan. 10.        | *HIGHAM, GEORGE WILLIAM ..                      | { 15 Great George Street, S.W. (Pintle, London. Westminster 367.) |
| 1890 Feb. 4.         | *HIGHT, DAVID JOHN .. .. .                      | Kuala Lumpur, Selangor, S.S.                                      |
| 1884 Dec. 2.         | *HIGHT, ROBERT SWAN .. .. .                     | East Indian Ry., Calcutta.  |
| 1883 May 1.          | *HIGHT, ARTHUR EDWARD .. ..                     | Grindlay, Groom & Co., Bombay.                                    |
| 1891 Mar. 3.         | *HILDRED, EDWARD THOMAS ..                      | 67 Avenue Road, Southampton.                                      |
| 1889 May 7.          | HILL, ALEXANDER .. .. .                         | 25 Bucklersbury, E.C.   |
| 1894 Dec. 4.         | *HILL, ALFRED .. .. .                           | Main Drainage Works, Shrewsbury.                                  |
| W C m ✱ 1888 May 15. | *HILL, ALFRED JOHN .. .. .                      | 24 Hamfrith Road, Stratford.                                      |
| 1884 Jan. 8.         | *HILL, ARTHUR, F.C.H. .. ..                     | King, King & Co., Bombay.   |
| 1893 May 2.          | HILL, CLAUDE WILLIAM .. ..                      | 8 Guy's Cliff, Bradford.  |
| 1897 Feb. 2.         | HILL, HARRY PRESCOT .. ..                       | { Albert Chambers, Albert Square, Manchester.                     |
| 1873 Apr. 1.         | HILL, JAMES WOODWARD .. ..                      | { Johannesburg, Transvaal. (Mayro, Johannesburg.)                 |
| 1892 Dec. 6.         | *HILL, JOSEPH BALL .. .. .                      | Lily Villa, Salcombe, S. Devon.                                   |
| 1874 Apr. 14.        | HILL, LESLIE CRASWELLER ..                      | { 519 Hastings Street, Vancouver, British Columbia.               |
| 1883 May 29.         | { HILL, LUKE MULLOCK,<br>B.E. (Queen's) .. .. . | Town Hall, Georgetown, Demerara.                                  |
| 1886 May 18.         | HILL, WILLIAM .. .. .                           | Waterworks, Belfast.  |
| 1887 May 3.          | HILL, WILLIAM .. .. .                           | Dordon, Tamworth.   |
| 1880 May 25.         | HILL, WOODMAN .. .. .                           | Leventhorpe, Gosport. [ton, Lancs.                                |
| 1896 Dec. 1.         | HILLER, EDWARD GEORGE .. ..                     | Sherwood, Hastings Avenue, Chorl-                                 |
| 1885 Feb. 3.         | HILLS, ARNOLD FRANK .. ..                       | Thames Ironworks, Blackwall, E.                                   |
| 1895 Dec. 3.         | *HILLS, HARRY JAMES .. ..                       | 21 Gloucester Road, Tottenham.                                    |
| 1878 Jan. 15.        | HILTON, FRANKLIN .. .. .                        | 45 Talbot Street, Southport.                                      |
| 1893 Feb. 7.         | *HINDE, WILLIAM HENN .. ..                      | { Electric Traction Co., 16 Gt. George Street, S.W. [Blackpool.   |
| 1897 Jan. 12.        | *HINDLE, ARTHUR .. .. .                         | 49 Withnell Road, South Shore,                                    |
| ✱ 1895 Dec. 3.       | HINTON, REGINALD JAMES ..                       | { St. John del Rey Mining Co., Morro Velho, Brazil.               |
| 1881 May 3.          | HIRD, GEORGE SMITH .. .. .                      | Guildhall, Beverley.  |
| 1896 Dec. 1.         | HIRST, RICHARD PILLING .. ..                    | Boro' Engineer's Office, Southport.                               |
| 1889 Jan. 8.         | HISCOCKS, ALFRED MOSER .. ..                    | { 20 Knoll Road, East Hill, Wandsworth, S.W.                      |
| 1893 May 16.         | HOARE, ARTHUR .. .. .                           | Bombay.   |
| 1891 Dec. 1.         | *HOBBS, CHARLES JAMES .. ..                     | Hydraulic Eng. Co., 9 Bridge Street,                              |
| 1888 Dec. 4.         | *HOBBS, GEORGE .. .. .                          | 73 The Avenue, Ealing, W. [S.W.                                   |
| 1894 Feb. 6.         | *HOBLEY, CHARLES WILLIAM ..                     | Coton Road, Nuneaton.   |
| 1894 Jan. 9.         | HOBROUGH, ARTHUR .. .. .                        | 5 May Avenue, Seacombe, Birkenhead.                               |
| 1870 Dec. 6.         | HOESON, JOHN FALSHAW .. ..                      | Washington Ironworks, Durham.                                     |
| 1896 Dec. 1.         | HODGE, ARTHUR .. .. .                           | Bangalore, India.   |
| 1896 Feb. 4.         | *HODGE, EDWARD CHARLES ..                       | { c/o. R. H. Hodge, Magdala House, Buckhurst Hill, Essex.         |
| ✱ 1891 May 5.        | *HODGE, HENRY WILSON .. ..                      | 27 Pine Street, New York, U.S.                                    |
| 1878 Jan. 15.        | HODGE, JOHN LAKEMAN .. ..                       | { 5 Victoria Place, Stonehouse, Plymouth.                         |
| 1892 Apr. 5.         | HODGE, LEONARD PERCIVAL ..                      | Colonial Eng., Roseau, Dominica.                                  |
| 1891 Mar. 3.         | HODGES, PERCY WALTER OGILVIE                    | 30 Hampstead Road, N.W.   |



Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |   |  |
|-----|---------------|---|--|
|     | 1890 Apr. 1.  | *HODGKIN, PHILIP ELIOT ..                             | { Childwall, Bridgwater Road, Wey-<br>bridge.                          |
|     | 1888 Dec. 4.  | { HODGKINSON-CARRINGTON,<br>ALFRED JAMES .. .. }      | { 31 Queen St., Melbourne, Victoria.<br>(Hodgkinson, Melbourne. 1424.) |
|     | 1889 Dec. 3.  | HODGKINSON, GEORGE .. ..                              | Surveyor, St. Anne's, Lancs.   |
|     | 1886 Dec. 7.  | *HODGSON, JOHN SLACK .. ..                            | Wellington, Mass., U.S.  |
|     | 1885 Dec. 1.  | HODGSON, WILLIAM JAMES ..                             | District Council, Camberley, Surrey.                                   |
|     | 1897 Apr. 6.  | *HODSON, FREDERIC WALTER ..                           | G. & F. W. Hodson, Loughborough.                                       |
|     | 1894 Mar. 6.  | *HOFFMANN, ISIDORE .. ..                              | Fair View, Didsbury.   |
|     | 1886 Feb. 2.  | *HOGG, ALEXANDER JABEZ ..                             | S. Mahratta Ry., Hubli, India.   |
|     | 1892 Jan. 12. | *HOLDEN, ALFRED .. ..                                 | Surveyor, Hindley, Wigan.  |
|     | 1898 Apr. 5.  | { HOLDEN, FRANCIS JOHN<br>GERALD, B.A. (Cantab.) .. } | { 16 Park Parade, Cambridge.   |
|     | 1890 May 20.  | HOLDEN, GEORGE HENRY ..                               | { Hardman & Holden, Miles Platting,<br>Manchester.                     |
|     | 1891 Dec. 1.  | HOLDEN, JAMES .. ..                                   | Ash Cottage, Ely, Cardiff.   |
|     | 1893 Dec. 5.  | HOLFORD, WILLIAM GEORGE ..                            | Box 228, Johannesburg, Transvaal.                                      |
| T t | 1893 May 2.   | HOLGATE, THOMAS .. ..                                 | 12 Hyde Park Road, Halifax.  |
| in  | 1888 Mar. 6.  | *HOLLIDAY, JOHN .. ..                                 | St. James's Gate Brewery, Dublin.                                      |
|     | 1893 Apr. 11. | *HOLLIDAY, JOHN .. ..                                 | 7 Belgrave Crescent, Scarborough.                                      |
|     | 1897 Apr. 6.  | { *HOLLINGSWORTH, ARNOLD<br>HACKNEY .. .. }           | { P.W.D. Hong Kong.  |
|     | 1897 Feb. 2.  | { HOLLINGSWORTH, HORACE<br>CHARLES .. .. }            | { 150 Bedford Hill, Balham, S.W.                                       |
|     | 1893 May 2.   | HOLLINGSWORTH, WILLIAM JOHN                           | { 6 Barrington Mansions, Lough-<br>borough Park, S.W.                  |
|     | 1885 May 5.   | HOLLON, JOHN BRAMWELL ..                              | Brampton Place, BexleyHeath, Kent.                                     |
|     | 1892 May 3.   | HOLME, CLINTON JAMES WILSON                           | { Neuadd Reservoir, Torpantan,<br>Merthyr Tydfil.                      |
|     | 1890 Apr. 1.  | HOLME, JOHN CARTMEL .. ..                             | { Deptford Cement Works, Sunder-<br>land.                              |
|     | 1888 Dec. 4.  | HOLMES, EDWARD .. ..                                  | 13 Northumberland Road, Sheffield.                                     |
|     | 1892 Mar. 1.  | *HOLMES, GEORGE WILLIAM ..                            | Town Hall, Walthamstow.  |
|     | 1873 Dec. 2.  | { HOLMES À COURT, Hon. ARTHUR<br>WYNDHAM .. .. }      | { Truslove & Hanson, 143 Oxford<br>Street, W.                          |
|     | 1897 Apr. 6.  | { *HOLMES À COURT, Hon. HENRY<br>WORSLEY .. .. }      | { Peterborough House, Loughborough.                                    |
|     | 1895 Jan. 8.  | *HOLT, FOLLET .. ..                                   | F. C. Rosario, La Banda, Argentina.                                    |
|     | 1875 Jan. 12. | HOLT, GEORGE HENRY .. ..                              | 10 Richmond Terrace, Blackburn.  |
|     | 1883 Feb. 6.  | { *HOLT, PERCY WILLIAM<br>MONCKTON .. .. }            | { Survey Office, New Plymouth, N.Z.                                    |
|     | 1883 May 29.  | HOLTUM, WILLIAM HENRY ..                              | County Council, Spring Gardens, S.W.                                   |
|     | 1890 May 20.  | HOLTZAPFFEL, GEORGE WILLIAM                           | 64 Charing Cross, S.W.   |
|     | 1896 Dec. 1.  | *HOMAN, WILLIAM MACLEAN ..                            | Rys., Kroonstad, Orange Free State.                                    |
|     | 1891 Dec. 1.  | *HOMESHAM, EDWIN COLLETT                              | Box 98, Johannesburg, Transvaal.                                       |
|     | 1884 Jan. 8.  | HONEYSETT, ARTHUR .. ..                               | 39 Victoria Street, S.W. [chester.                                     |
|     | 1884 Dec. 2.  | HOOLY, COSMO CHARLES .. ..                            | Crofts Bank House, Davyhulme, Man-                                     |
| +   | 1886 Dec. 7.  | HOOLY, EDGAR PURNELL ..                               | County Surveyor, Nottingham.   |
|     | 1891 Dec. 1.  | HOOPER, EDWARD .. ..                                  | { Bewick, Moreing & Co., Broad<br>Street House, E.C.                   |
|     | 1890 Feb. 4.  | { *HOOPER, HERBERT ROSS,<br>M.A. (Oxon.) .. .. }      | { 31 Cambridge Road, Brighton.   |
|     | 1895 May 21.  | HOPE, JOSEPH .. ..                                    | { Roads & Bridges Dept., East<br>Maitland, N.S.W.                      |
|     | 1892 Apr. 5.  | HOPKINS, WALTER BERNARD ..                            | 30 Parliament Street, S.W.   |
|     | 1877 Dec. 4.  | HOPKINSON, ALFRED .. ..                               | 15 Agur Street, Bury.  |
|     | 1889 May 7.   | *HOPKINSON, FREDERICK THOMAS                          | Preswylfa, Neath.  |
|     | 1896 May 19.  | HOPKINSON, WILLIAM HENRY                              | 23 Devonshire St., Keighley. [land.                                    |
|     | 1892 Dec. 6.  | *HOPPER, ARTHUR EDWIN ..                              | The Laurels, Tunstall Rd., Sunder-                                     |
|     | 1891 Dec. 1.  | HOPWOOD, JOHN .. ..                                   | G. W. Ry., Mendoza, Argentina.   |
|     | 1882 Apr. 4.  | HORN, DAVID BAYNE, F.C.H.                             | H. S. King & Co., 45 Pall Mall, S.W.                                   |
|     | 1886 Apr. 6.  | *HORN, TOM ALEXANDER ..                               | 11 Gray St., Waterloo Rd., S.E.  |
|     | 1874 Dec. 1.  | *HORN, WILLIAM EDWARD ..                              | 227 High Road, Balham, S.W.  |

| Date of Election. |               | ASSOCIATE MEMBERS.   |  |
|-------------------|---------------|--|--|
|                   | 1889 Dec. 3.  | HORNER, WALTER .. ..                                       | 8 Carholme Road, Forest Hill, S.E.                                     |
|                   | 1894 Dec. 4.  | { *HORWOOD, JOEL HENRY,<br>M.C.E. (Melb.) .. .. }          | { 12 Hunter's Chambers, Bailey St.,<br>Coolgardie, Western Australia.  |
|                   | 1895 Mar. 5   | *HOSKEN, ARTHUR FAYRE .. ..                                | Nizam's Rys., Secunderabad, Deccan.                                    |
|                   | 1897 Apr. 6.  | HOSKEN, RICHARD .. ..                                      | Box 667, Johannesburg, Transvaal.                                      |
|                   | 1883 May 1.   | HOSKINGS, ARTHUR BERRIMAN                                  | 7 Northbrook Road, Lee, S.E.   |
|                   | 1894 Jan. 9.  | HOUGHTON, SIDNEY ALEXANDER                                 | { Board of Trade Surveyor's Office,<br>Custom House Arcade, Liverpool. |
|                   | 1888 Jan. 10. | HOUSDEN, WILLIAM PREST .. ..                               | King, King & Co., Bombay.  |
| ✠                 | 1881 Apr. 5.  | HOUSTON, JAMES LENNOX .. ..                                | 151 Cannon Street, E.C.  |
|                   | 1894 May 22.  | *HOVIL, FRANK .. ..  | Railway, Kingston, Jamaica.  |
|                   | 1897 Jan. 12. | HOWARD, ALBERT HARRIS .. ..                                | 39 Victoria Street, S.W. [N.W.]  |
| m ✠               | 1886 Dec. 7.  | *HOWARD, FRANK GEERE .. ..                                 | 7 Langland Mansions, S. Hampstead,                                     |
|                   | 1894 Dec. 4.  | HOWARD, FREDERICK WILLIAM                                  | Boro' Engineer's Office, Reading.                                      |
|                   | 1886 May 18.  | HOWARD, JOHN GEORGE .. ..                                  | Box 183, Johannesburg, Transvaal.                                      |
|                   | 1891 Feb. 3.  | *HOWARTH, FRANK .. ..                                      | County Council, Spring Gardens, S.W.                                   |
|                   | 1889 Mar. 5.  | HOWATSON, ANDREW .. ..                                     | 165 Avenue du Roule, Neuilly, Paris.                                   |
|                   | 1891 May 5.   | HOWDEN, THOMAS MONTAGU ..                                  | Water Dept., Melbourne, Victoria.                                      |
|                   | 1896 Dec. 1.  | { HOWELL, HEBER WILLIAM<br>HENRY .. .. }                   | { Bengal-Nagpur Railway, Bilaspur,<br>India.                           |
|                   | 1883 May 29.  | HOWELL, SAMUEL EARNSHAW ..                                 | { The Brook Steel Works, Sheffield.<br>(Howell, Sheffield.)            |
| ✠                 | 1897 Feb. 2.  | *HOWLEY, RICHARD JOSEPH ..                                 | Lynton Ry., Bridge Chambers, Barn-                                     |
|                   | 1891 Dec. 1.  | *HOWLEY, WILLIAM JOHN ..                                   | Rich Hill, Lisnagry, co. Limerick.                                     |
|                   | 1897 Apr. 6.  | HOWSIN, CECIL GASCOYNE ..                                  | Imperial Rys., Tientsin, China.  |
|                   | 1891 Dec. 1.  | HOY, HENRY ALBERT .. ..                                    | Overdale, Horwich, Lancs.  |
|                   | 1892 Mar. 1.  | *HUDDART, JOHN .. ..                                       | 66 Stretton Road, Leicester.   |
|                   | 1882 Dec. 5.  | *HUDLESTON, ANDREW JOHN ..                                 | 76 Shirland Gardens, Maida Hill, W                                     |
|                   | 1897 Apr. 6.  | HUDSON, ALFRED .. ..                                       | Town Hall, Luton.  |
|                   | 1879 May 27.  | HUDSON, JAMES CADOUX ..                                    | 75 Upp. Ground St., Blackfriars, S.E.                                  |
|                   | 1892 Dec. 6.  | *HUGHES, EDWARD MORGAN ..                                  | { 8 Fairholme Road, Great Crosby,<br>Liverpool.                        |
|                   | 1891 Feb. 3.  | HUGHES, HERBERT WILLIAM ..                                 | 188 Wolverhampton Street, Dudley.                                      |
|                   | 1890 Feb. 4.  | { *HUGHES, WILLIAM GEORGE<br>CRAWFORD .. .. }              | { Haslemere, Brincliffe, Sheffield.                                    |
|                   | 1878 May 28.  | *HUGHES, WILLOUGHBY ROCHESTER                              | { 57 Hailsham Avenue, Streatham<br>Hill, S.W.                          |
|                   | 1881 Feb. 1.  | { HUGHES - HALLETT, CHARLES<br>FREDERICK, M.A. (Cantab.) } | { 41 St. Stephen's Avenue, Shepherd's<br>Bush, W. [shire.              |
|                   | 1896 May 5.   | *HULL, HENRY ADIN .. ..                                    | L. & N. W. Ry., Hartington, Derby-                                     |
|                   | 1894 Dec. 4.  | *HULL, PERCY WINSTANLEY ..                                 | Central Ry., Ashton, Cape Colony.                                      |
|                   | 1896 Feb. 4.  | *HULME, EDWIN .. ..  | 20 North John Street, Liverpool.                                       |
|                   | 1892 Dec. 6.  | HUMAN, EDWIN .. ..   | Colombo, Ceylon.   |
|                   | 1879 Apr. 1.  | HUME, EDWARD NATHANIEL ..                                  | Bath Road, Hounslow.   |
|                   | 1876 Dec. 5.  | HUME, WASHINGTON .. ..                                     | { 278 Dashwood House, 9 New Broad<br>Street, E.C.                      |
|                   | 1894 Dec. 4.  | *HUMMEL, HORACE JAMES JORDAN                               | Ashlynn, Albemarle Rd., Beckenham.                                     |
| T t ✠             | 1894 Dec. 4.  | *HUMPHREY, HERBERT ALFRED                                  | West View, Winnington, Cheshire.                                       |
|                   | 1894 May 1.   | *HUMPHREYS, HENRY HOWARD                                   | Public Offices, Brondesbury, N.W.                                      |
|                   | 1885 Feb. 3.  | HUMPHRYS, NORTON HENRY ..                                  | Gasworks, Salisbury.   |
|                   | 1893 Feb. 7.  | *HUNT, BERNARD .. ..                                       | { Charles Wagner, Caylloma, Arequipa,<br>Peru.                         |
|                   | 1892 Feb. 2.  | *HUNT, EDWARD .. ..  | c.o. Hunt & Sacré, 1 Victoria St., S.W.                                |
|                   | 1886 Mar. 2.  | *HUNT, HENRY CHARLES TERRETT                               | 1 Victoria Street, S.W.  |
|                   | 1895 Dec. 3.  | *HUNTER, ADAM .. ..  | 32 Victoria Street, S.W.   |
|                   | 1883 Dec. 4.  | HUNTER, ASHLEY JOHN .. ..                                  |  |
| m ✠               | 1888 Feb. 7.  | *HUNTER, GILBERT MACINTYRE                                 | { Government Railway, Sekondi, Gold<br>Coast.                          |
|                   | 1879 Feb. 4.  | *HUNTER, JOHN .. ..  | Quarry Bank, Belper.   |
|                   | 1889 Feb. 5.  | *HUNTER, MAURICE .. ..                                     | Bridge Street, Belper.   |
|                   | 1890 Feb. 4.  | HUNTER, SIDNEY HERBERT ..                                  | { 202 Bow Road, E. (Venator, London.<br>Stratford 45.)                 |

Date of  
Election.

## ASSOCIATE MEMBERS.

|                |  |  |
|----------------|--|--|
| 1897 Apr. 6.   | HUNTER, WALTER JAMES ..                              | { Grand Junction Waterworks, Kew<br>Bridge, W. [Russia.      |
| 1895 Dec. 3.   | HUNTER, WILLIAM GALLON ..                            | c/o British Vice-Consul, Nicolaieff,                         |
| 1897 Dec. 7.   | HURSE, ALFRED EDWARD ..                              | Reservoir, Bushey Heath, Watford.                            |
| 1897 Mar. 2.   | HUSBAND, JOSEPH .. ..                                | 66 Mona Rd., Spring Vale, Sheffield.                         |
| 1889 Apr. 2.   | HUTCHINGS, CHARLES ARTHUR                            | 40 Maltcock Lane, Ealing, W.                                 |
| 1898 Apr. 5.   | *HUTCHINSON, HENRY WESTERN                           | Keyham Dockyard, Devonport.                                  |
| 1888 Feb. 7.   | { HUTCHINSON, SYDNEY HUTTON<br>COOPER .. .. .}       | King, King & Co., Bombay.                                    |
| 1895 Dec. 3.   | *HUTCHINSON, WILLIAM HAINES                          | 27 Market Place, Mansfield.                                  |
| 1892 Dec. 6.   | { HUTCHISON, DANIEL LEAN<br>M.Sc. (Victoria) .. .. } | Great Central Ry., Byfield,<br>Northants.                    |
| 1894 Jan. 9.   | { *HUTCHISON, GEORGE LEAN,<br>B. Sc. (Glas.) .. .. } | 6 Belhaven Terrace, Glasgow.                                 |
| 1886 Dec. 7.   | *HUTTON, CHARLES HERBERT ..                          | King, King & Co., Bombay.                                    |
| 1879 May 6.    | HUTTON, THEODORE BENT ..                             | 4 Sketty Road, Swansea.                                      |
| 1887 Apr. 5.   | *HUTTON, WALTER HERBERT ..                           | 35 Talgarth Road, Kensington, W.                             |
| 1895 Dec. 3.   | *HUTTON, WILLIAM .. ..                               | P.W.D., Madras.  |
| 1895 Dec. 3.   | HYSLOP, JOHN .. ..                                   | 27 Walton Well Road, Oxford.                                 |
| 1876 Mar. 7.   | FANSON, WILLIAM .. ..                                | Bardencroft, Saltburn-by-the Sea.                            |
| 1888 Dec. 4.   | *IKIN, ARTHUR JOHN .. ..                             | 1406, 8th St., Alameda, Cal., U.S.                           |
| 1896 Dec. 1.   | INCE, FREDERICK GEORGE ..                            | Lands & Survey Dept., Auckland,                              |
| 1895 May 21.   | *INGHAM, WILLIAM .. ..                               | Water Engineer, Torquay. [N.Z.                               |
| ✠ 1881 Feb. 1. | *INGLIS, WILLIAM .. ..                               | Rosedale, Airdrie, N.B.                                      |
| 1892 May 3.    | IRONSIDE, WILLIAM DALTON ..                          | 3 Golden Square, Aberdeen.                                   |
| 1877 Dec. 4.   | IRVINE, JAMES .. ..                                  | 254 Gray's Inn Road, W.C.                                    |
| 1896 May 5.    | IRVING, DANIEL .. ..                                 | Gas Co., Stapleton, Bristol.                                 |
| 1879 Feb. 4.   | ISHERWOOD, RICHARD .. ..                             | 39 Hamfrith Road, Forest Gate, E.                            |
| 1882 Jan. 10.  | *ISHIGURO, ISOJI .. ..                               | { Supt. Engineer's Office, Admiralty<br>Dept., Tokio, Japan. |
| 1880 Mar. 2.   | *ITTER, ARTHUR WERNER ..                             | Bridge End, Peterborough.                                    |
| 1887 Apr. 5.   | *IVE, ERNEST .. ..                                   | 24 Carmalt Gardens, Putney, S.W.                             |
| 1880 Dec. 7.   | IVENS, THOMAS EDWARD ..                              | c.o. Wilson & Co., 24 Rood Lane, E.C.                        |
| 1892 Dec. 6.   | *IVES, HARRY WILLIAM MACLEAN                         | Sirhind Canal, Ludhiana, Punjab.                             |
| 1895 Feb. 5.   | IVOR-MOORE, THOMAS .. ..                             | { Craiglea, Mount Hermon Road,<br>Woking.                    |
| 1897 Mar. 2.   | *IVY, RICHARD CARRUTHERS ..                          | { Urban District Council, Ormskirk,<br>Lancashire.           |
| 1875 Dec. 7.   | IZARD, WALTER GEORGE ..                              | 10 The Paragon, Blackheath, S.E.                             |
| 1887 Dec. 6.   | *JACK, ARTHUR JOSEPH .. ..                           | The Crouch, Seaford, Sussex.                                 |
| 1885 May 19.   | *JACKAMAN, CHARLES JAMES ..                          | Highfield, Bath Road, Slough.                                |
| 1888 Apr. 10.  | JACKS, THOMAS WILLIAM MOSELEY                        | Wood Green, Wednesbury.                                      |
| 1883 May 29.   | JACKSON, EDWARD JAMES ..                             | Kinburn West, St. Andrews, N.B.                              |
| ✠ 1891 Dec. 1. | *JACKSON, GEORGE FREDERICK                           | N. E. Ry., Newcastle-on-Tyne.                                |
| 1887 Apr. 5.   | *JACKSON, HUGH ROWLAND ..                            | The Hall Cross, Doncaster.                                   |
| 1892 Apr. 5.   | JACKSON, JAMES EDWARD, Jun.                          | Killaguile, Rosscathill, co. Galway.                         |
| 1895 Jan. 8.   | JACKSON, ROBERT CATTLEY ..                           | { Framlington Place, Newcastle-on-<br>Tyne.                  |
| 1890 Dec. 2.   | JACOB, ALBERT FRANCIS ..                             | Waterworks, Prospect, N.S.W.                                 |
| 1879 Feb. 4.   | *JACOB, EDWARD FOUNTAINE, C.I.E.                     | N. W. Ry., Lahore, Punjab.                                   |
| 1872 Dec. 3.   | JACOB, EDWARD WESTLEY ..                             | 39 Great George Street, Harrogate.                           |
| 1891 May 5.    | JACOBS, PAUL GEORGE ..                               | P.W.D., Calcutta.  |
| 1887 Jan. 11.  | *JACOMB, WILLIAM WYKEHAM ..                          | 72 Dyke Road, Brighton.                                      |
| 1897 Feb. 2.   | *JACQUES, HAROLD SISSON ..                           | P.W.D., Colombo, Ceylon.                                     |
| 1892 Jan. 12.  | *JACQUES, HERBERT INNES ..                           | 153 Coronation Road, Bristol.                                |
| 1890 Jan. 14.  | JACQUES, JAMES ROUTLEDGE ..                          | Box 2314, Johannesburg, Transvaal.                           |
| 1878 Jan. 15.  | JACQUES, RICHARD .. ..                               | Loco. Supt., Caldera, Chili.                                 |

| Date of Election.    | ASSOCIATE MEMBERS.  |  |
|----------------------|---|--|
| 1892 May 24.         | *JAMES, ALFRED, M.A. ( <i>Cantab.</i> )                             | Edgeworth Manor, Cirencester.                                  |
| 1893 Dec. 5.         | *JAMES, ARTHUR CHARLES ..   | District Council, Grays, Essex.                                |
| 1887 Dec. 6.         | JAMES, CHARLES CARKEET ..   | Municipality, Bombay.  |
| 1886 Dec. 7.         | { JAMES, CHARLES WORDSWORTH<br>SCANTLEBURY .. .. . }                | Davey Street, Hobart, Tasmania.                                |
| 1889 Jan. 8.         | *JAMES, REGINALD WILLIAM ..   | { St. Mildreds, Cambridge Road,<br>Bromley, Kent.              |
| 1886 Dec. 7.         | JAMESON, ALEXANDER CHALMERS   | Primitiva Nitrate Co., Iquique, Chili.                         |
| 1880 Feb. 3.         | *JAMESON, GEORGE .. .. .  | Bow Street Distillery, Dublin.                                 |
| 1892 Feb. 2.         | *JAMESON, HENRY BENTLEY ..  | P.W.D., Maritzburg, Natal.                                     |
| 1895 Dec. 3.         | *JAMESON, FREDERICK ALEXANDER                                       | { Marine Engineers' Institution,<br>Shanghai.                  |
| 1895 May 21.         | { *JANSON, EDMUND WILLIAM,<br>M.A. ( <i>Cantab.</i> ) .. .. . }     | 7 & 9 Leadenhall Buildings, E.C.                               |
| 1895 Dec. 3.         | JAPP, HENRY .. .. .   | Surrey Commercial Docks, Rother-                               |
| 1881 Jan. 11.        | JARVIS, GEORGE EDWARD ..  | Tembuland, Umtata, C.C. [hithe, S.E.                           |
| 1888 Dec. 4.         | *JASPER, NICHOLAS PAUL ..   | 21 Great George Street, S.W.                                   |
| 1887 Dec. 6.         | JEEJEEBHoy, PIROSHAW BOMANJEE                                       | 17 Church Street, Bombay.                                      |
| 1898 Apr. 5.         | { *JEFFARES, JOHN LETT SEALEY,<br>B.Sc., ( <i>Edin.</i> ) .. .. . } | 5 Avenue Terrace, Cape Town,<br>C.C.                           |
| 1889 Feb. 5.         | JEFFERISS, THOMAS .. .. .   | Cornwall Works, Soho, Birmingham                               |
| 1881 Dec. 6.         | *JEFFREYS, EDWARD HOMER ..  | Hawkhills, Chapel Allerton, Leeds.                             |
| 1893 Jan. 10.        | JEKEN, JOHN LLEWELLYN ..  | 72 Great James Street, Londonderry.                            |
| 1893 Dec. 5.         | { JELLETT, HENRY HOLMES,<br>B.A.I. ( <i>Dubl.</i> ) .. .. . }       | Bengal-Nagpur Ry., Nagpur, C. P.,<br>India.                    |
| 1894 Mar. 6.         | JEMIE, TIEN YOW, Ph.B. ( <i>Yale</i> )                              | Govt. Rys., Tientsin, China. [S.W.                             |
| 1892 Dec. 6.         | JENKIN, BERNARD MAXWELL   | The Mansions, Earl's Court Road,                               |
| M W t ✕ 1891 Feb. 3. | { *JENKIN, CHARLES FREWEN,<br>B.A. ( <i>Cantab.</i> ) .. .. . }     | 4 Vanbrugh Park Road West, Black-<br>heath, S.E. [hampton.     |
| 1895 Mar. 5.         | JENKIN, CHARLES JAMES ..  | Council Offices, Willenhall, Wolver-                           |
| 1895 Apr. 2.         | *JENKIN, WILLIAM ALFRED ..  | Dean Terrace, Liskeard.  |
| 1894 May 22.         | *JENKINS, ALFRED JOHN ..  | Asst. Water Eng., Town Hall, Cardiff.                          |
| 1893 May 16.         | JENKINS, CHARLES MORRIS ..  | { Charlestown - Johannesburg Ry.,<br>Standerton, S. Africa.    |
| 1895 May 21.         | *JENKINS, CHARLES WILLIAM ..  | Marius Street, Tamworth, N.S.W.                                |
| 1890 Feb. 4.         | *JENKINS, DAVID MORGAN ..   | Borough Surveyor, Neath.                                       |
| 1894 Mar. 6.         | JENKINS, GEORGE EDWARD ..   | St. Mary's Hall, Coventry.                                     |
| 1878 Feb. 5.         | JENKINS, GEORGE GORDON ..   | 16 Bridge Street, Aberdeen. [S.W.                              |
| 1891 Apr. 7.         | JENKINS, HENRY CHARLES ..   | Royal College of Science, Kensington,                          |
| 1888 Dec. 4.         | JENKINS, WILLIAM JOHN ..  | Beehive Works, Retford, Notts.                                 |
| 1876 Mar. 7.         | JERVIS, ALEXANDER .. .. .   | 23 Claremont Crescent, Edinburgh.                              |
| 1877 Dec. 4.         | *JESSOP, GEORGE .. .. .   | { Eldon House, London Road,<br>Leicester. (Jessop, Leicester.) |
| 1897 Apr. 6.         | JEVONS, JOHN HENRY .. ..  | Boro' Surveyor, Hertford.                                      |
| 1889 Dec. 3.         | JICKELL, SAMUEL .. .. .   | City Surveyor, Nelson, N.Z.                                    |
| 1885 Feb. 3.         | *JOBING, EDWARD FISHER ..   | Moody's Down, Micheldever, Hants.                              |
| 1877 Feb. 6.         | *JOEL, HENRY FRANCIS .. ..  | 74 Windsor Road, Forest Gate, E.                               |
| 1893 Dec. 5.         | JOHNS, JOHN HENRY .. .. .   | Box 1021, Johannesburg, Transvaal.                             |
| 1896 Dec. 1.         | *JOHNS, PERCY .. .. .   | Guildhall, Maidenhead.   |
| ✕ 1885 Mar. 3.       | *JOHNS, WILLIAM ARTHUR ..   | Altan, Carrickfergus, Ireland.                                 |
| 1894 Dec. 4.         | JOHNSON, ALGERNON EDWARD  | Egerton Street, Wrexham.                                       |
| 1892 Mar. 1.         | *JOHNSON, CHARLES THOMPSON  | Boro' Engineer, Thornaby-on-Tees.                              |
| 1879 May 6.          | *JOHNSON, FREDERICK WILLIAM   | Worcester Park, Surrey.  |
| 1887 Dec. 6.         | *JOHNSON, HENRY ARTHUR ..   | 14 The Exchange, Bradford.                                     |
| 1891 Jan. 13.        | JOHNSON, HENRY CLEWLY ..  | Midland Ry., Eng.'s Office, Skipton.                           |
| 1898 Apr. 5.         | *JOHNSON, PHILIP HEBER ...  | { Engineers' Office, Midland Railway,<br>Derby.                |
| 1888 Apr. 10.        | *JOHNSTON, JAMES .. .. .  | Waterworks, Bond Street, Brighton.                             |
| 1883 Feb. 6.         | JOHNSTONE, Hon. CECIL ..  | Hackness Hall, Scarborough.                                    |
| 1876 May 2.          | { JONES, ALFRED STOWELL, U.C.<br>Lt.-Col. ret. .. .. . }            | Ridge Cottage, Finchampstead,<br>Berks. [Leyton.               |
| 1886 Mar. 2.         | JONES, CHARLES EDWIN .. ..  | 9 Manor Terrace, Lea Bridge Road,                              |
| 1877 Mar. 6.         | JONES, CHARLES WILLIAM ..   | Gasworks, Via dei Cerchi, Rome.                                |



Date of  
Election.

## ASSOCIATE MEMBERS.

|               |   |  |
|---------------|---|--|
| 1888 Apr. 10. | *JONES, CYRIL EDWARD ARENGO                           | Weir Courtenay, East Grinstead.  |
| 1884 May 6.   | JONES, EDWARD DUKINFIELD ..                           | Riverton, Hadley Wood, Barnet.   |
| 1894 Jan. 9.  | { JONES, ELIAS CHRISTOPHER,<br>B.Sc. (Lond.) .. .. }  | 3 Rugby Road, Neath.   |
| 1891 Dec. 1.  | *JONES, EVAN DAVIES .. ..                             | 2 Great George Street S.W.   |
| 1881 Feb. 1.  | *JONES, GEORGE ARTHUR .. ..                           | { c. o. A. L. Foster, 73 Basinghall<br>Street, E.C.                                    |
| 1886 Mar. 2.  | JONES, HAROLD .. ..                                   | 58 Baron's Court Road, W.  |
| 1891 Dec. 1.  | *JONES, HARRY HERBERT .. ..                           | { Wandsworth & Putney Gas Co.,<br>North Street, Wandsworth, S.W.                       |
| 1888 Dec. 4.  | *JONES, HENRY SYDNEY .. ..                            | King, King & Co., Bombay.  |
| 1885 Dec. 1.  | JONES, JAMES .. ..                                    | Goolburgah, Deccan, India.   |
| 1887 May 3.   | JONES, JOHN CHARLES DWAFYDD                           | { Eastern Extension Telegraph Co.,<br>Singapore, S.S.                                  |
| 1887 Dec. 6.  | *JONES, JOHN EDWARD .. ..                             | Woodbine, Sidmouth.  |
| 1875 Feb. 2.  | *JONES, JOHN HUNTER .. ..                             | 15 First Avenue, Brighton.   |
| 1891 Dec. 1.  | JONES, MONTAGUE RHYS .. ..                            | Tasmanian Club, Hobart, Tasmania.  |
| 1891 May 5.   | JONES, MORLAIS GLASFRYN .. ..                         | 6 Delahay Street, Westminster, S.W.  |
| 1876 Dec. 5.  | *JONES, OWEN .. ..                                    | { Blackale Range Road, Beeswah,<br>Queensland.   |
| 1890 Mar. 4.  | *JONES, PATRICK NICHOLAS HILL                         | P.W.D., San Fernando, Trinidad.  |
| 1896 Apr. 14. | { *JONES, THOMAS GILBERT,<br>B.Sc. (Victoria) .. .. } | Technical School, Mount Pleasant,<br>Swansea.  |
| 1876 Feb. 1.  | *JONES, WALTER ROBERTS .. ..                          | { Fabbria Prodotti Chimici, Arma-<br>di-Taggia, Liguria, Italy.                        |
| 1891 Apr. 7.  | *JONES, WILLIAM .. ..                                 | Gwynfryn, Colwyn Bay, N. Wales.  |
| 1886 Dec. 7.  | *JONES, WILLIAM HEMMING .. ..                         | Dockyard, Liverpool.   |
| 1897 Dec. 7.  | *JONES, WILLIAM SAMUEL .. ..                          | { H. G. Jones, Supt. of Stamps,<br>Hyderabad, Deccan, India.                           |
| 1884 Dec. 2.  | JONGH, JOHN ISIDOR DE .. ..                           | San José, Costa Rica.  |
| 1852 Dec. 7.  | JOPLING, JOSEPH .. ..                                 | 175 Bloor St. East, Toronto, Canada.   |
| 1891 Dec. 1.  | JOPP, WILLIAM .. ..                                   | P.W.D., Trevandrum, Travancore.  |
| 1884 May 6.   | JOSEPH, ALLAN FERGUSON .. ..                          | P.W.D., Barrage, Egypt. [N.S.W.]   |
| 1879 Feb. 4.  | *JOSEPHSON, JOSHUA PERCY .. ..                        | George St., Marrickville, Sydney,  |
| 1891 May 5.   | *JOY, HENRY GOLDING .. ..                             | { J. C. Bannerman, 43 Montagu<br>Square, W.  |
| 1896 Mar. 3.  | *JUDD, CHARLES RICHARD .. ..                          | King, King & Co., Bombay.  |
| 1880 Feb. 3.  | { JULIAN, ROBERT HILL,<br>B.E. (Queen's) .. .. }      | Sealands, Station Road, Ilfracombe.  |
| 1884 May 6.   | KAPTEYN, ALBERTUS PHILIPPUS                           | { Westinghouse Brake Co., York Rd., N.<br>(Westinghouse, London. King's<br>Cross 620.) |
| 1894 Dec. 4.  | KATRAK, NAVROJI HORMASJI                              | 53 Parsi Bazar St., Fort Bombay.   |
| 1898 Mar. 1.  | KAY, STANLEY ROBERT .. ..                             | 20 Grange Avenue, Leeds.   |
| 1893 Mar. 7.  | *KEELING, HUGH TROWBRIDGE .. ..                       | H. S. King & Co., 65 Cornhill, E.C.  |
| 1887 Mar. 1.  | KEIR, FRANCIS LINDSAY .. ..                           | Ry. Dept., Brisbane, Queensland.   |
| 1888 Dec. 4.  | KEITH, JAMES .. ..                                    | { 27 Farrington Avenue, E.C. (James<br>Keith, London. Holborn 620.)                    |
| 1898 Mar. 1.  | KEKEWICH, GEORGE ORMOND .. ..                         | 69 Queen's Road, Twickenham.   |
| 1893 Jan. 10. | *KELLETT, HARRY .. ..                                 | { Heath Bank, High Lane, Chorlton,<br>Lancs.   |
| 1882 Mar. 7.  | KEMBLE, FREDERICK .. ..                               | 24 Church St., Kingston, Jamaica.  |
| 1894 Feb. 6.  | KEMP, JOHN .. ..                                      | Local Board, Hampton.  |
| 1889 Feb. 5.  | KEMP, WILLIAM EDMUND .. ..                            | D.P.W., Sydney, N.S.W.   |
| 1878 Jan. 15. | *KEMPE, HARRY ROBERT .. ..                            | Eng.-in-Chief's Office, G.P.O., E.C.   |
| 1881 May 31.  | KEMPSON, CHARLES .. ..                                | Corporation Buildings, Leicester.  |
| 1890 Dec. 2.  | *KEMPSON, CHARLES ALDWIN .. ..                        | Merton Vicarage, Surrey.   |
| 1896 Jan. 14. | *KEMP-WELCH, JOHN .. ..                               | Holmwood, The Crescent, Barnes.  |
| 1890 Dec. 2.  | KENDALL, ROBERT .. ..                                 | Existing Lines Dept., Sydney, N.S.W.   |
| 1878 Feb. 5.  | *KENDALL, WILLIAM BARROW .. ..                        | 184 Park Avenue, Hull.   |



| Date of Election. | ASSOCIATE MEMBERS.                                    |  |
|-------------------|---|--|
| 1895 Dec. 3.      | KENNEDY, THOMAS, JUN.                                 | Ry. Construction Dept., Sydney, N.S.W.                         |
| ✠ 1892 Dec. 6.    | KENNY, WILLIAM EYRE..                                 | P.W.D., Singapore, S.S.  |
| 1888 Feb. 7.      | KENT, JOHN BROADHURST ..                              | Commercial Gas Co., Wapping, E.                                |
| 1876 Mar. 7.      | KENWORTHY, EDWIN ..                                   | Public Offices, Handsworth, Staffs.                            |
| 1896 Feb. 4.      | KER, ARTHUR WILLIAM ..                                | C. & A. Musker, Dundas St., Bootle.                            |
| 1890 Dec. 2.      | *KER, HUGH TORRANCE ..                                | Harbour Works, Folkestone.                                     |
| 1876 Dec. 5.      | *KERLE, WILLIAM GIBES ..                              | { 10 Federal Buildings, William St., Perth, Western Australia. |
| 1893 Dec. 5.      | KERR, JOSEPH MALCOLM..                                | Gokak Falls, Belgaum District, India.                          |
| 1887 May 3.       | *KERSHAW, FREDERICK WHITE                             | 5 Burlington Road, Southport.                                  |
| 1889 Dec. 3.      | KIDD, HECTOR .. .. .                                  | { Colonial Sugar Refining Co., Sydney, N.S.W.                  |
| 1876 Feb. 1.      | KIDD, THOMAS .. .. .                                  | 104 Balham Park Road, S.W.                                     |
| 1893 Feb. 7.      | KIDD, THOMAS .. .. .                                  | Swallincote, Burton-on-Trent.                                  |
| m ✠ 1887 May 24.  | *KIDD, WILLIAM .. .. .                                | G.W.Ry., Millbay Docks, Plymouth.                              |
| 1889 Feb. 5.      | KIKKAWA, SANJIRO .. ..                                | { 4 Bambamachi, Honjoku, Tokio, Japan.                         |
| 1897 Dec. 7.      | KILGOUR, MARTIN HAMILTON..                            | Municipal Offices, Cheltenham.                                 |
| 1893 Jan. 10.     | *KILLON, HARRY BIRCH ..                               | Heaton Moor, near Stockport.                                   |
| 1895 Dec. 3.      | *KIMBER, JOHN FREDERIC CHARLES                        |  |
| 1873 Dec. 2.      | *KINCH, WILLIAM HUBERT ..                             | North Eastern Ry., West Hartlepool.                            |
| 1892 Jan. 12.     | *KINDERSLEY, ARTHUR EDWARD                            | Manmar, District Nasik, India.                                 |
| 1894 Dec. 4.      | *KING, CHRISTOPHER WATKINS                            | P.W.D., Sydney, N.S.W.   |
| 1892 Dec. 6.      | { KING, FRANCIS ALEXANDER }<br>STUART .. .. .         | Patna District Engineer, Bankipore, India.                     |
| 1882 May 23.      | *KINGDON, ZACHARY HARRIS ..                           | 6 Belmont Hill, Lee, S.E.                                      |
| 1888 Jan. 10.     | KINGSFORD, HERBERT .. ..                              | Casilla 120, Lima, Peru.                                       |
| 1890 May 20.      | { KINGSLEY, ARTHUR HENRY, }<br>B.A. (Cantab.) .. .. . | Fanshaws, Hertford.  |
| 1878 Apr. 2.      | KINGSLEY, MAURICE .. ..                               | 44 Broadway, New York, U.S.                                    |
| 1896 Dec. 1.      | KINGSTON, HENRIQUE AUGUSTO                            | Govt. Telegraphs, Rio de Janeiro.                              |
| 1886 Jan. 12.     | { KINGSTON, WILLIAM, }<br>B.E. (Queen's) .. .. .      | { 3 Officers' Quarters, Prince Edward's Ramp, Gibraltar.       |
| 1865 Dec. 5.      | KIRBY, CONYERS .. .. .                                | 11 Skinner Street, Newport, Mon.                               |
| 1892 Dec. 6.      | KIRBY, JAMES NOBLE .. ..                              | Eng.'s Office, Midland Ry., Derby.                             |
| 1896 May 19.      | { KIRBY, JOHN FREDERICK }<br>CAMPBELL .. .. .         | E. I. Ry., Bankipore, India.                                   |
| ✠ 1894 Jan. 9.    | KIRBY, OSCAR JOHN .. ..                               | Town Hall, Batley.   |
| 1877 May 29.      | KIRK, THOMAS .. .. .                                  | { Rushton, Lytton Road, East Brisbane, Queensland.             |
| 1888 Feb. 7.      | KIRKALDY, JOHN .. .. .                                | { 40 West India Dock Road, E. (Com-pactum, London.)            |
| 1895 Mar. 5.      | KIRKPATRICK, THOMAS HENRY                             | Clunes, Petersham, Sydney, N.S.W.                              |
| 1897 Jan. 12.     | { *KIRKWOOD, JAMES HOWIE, }<br>B.Sc. (Glas.) .. .. .  | H.M. Naval Yard, Gibraltar.                                    |
| 1897 Apr. 6.      | KIRKWOOD, JOHN .. .. .                                | James Young, Fort Augustus, N.B.                               |
| 1884 Apr. 1.      | KIRSTEIN, HENRY CHARLES ..                            | { 7 Gloucester Place, Greenwich, S.E.                          |
| 1888 Mar. 6.      | *KITCHINGMAN, DAWSON..                                | Blagdon House, Blagdon, Somerset.                              |
| 1872 Jan. 9.      | KITT, ALFRED .. .. .                                  | 11 Victoria Street, S.W.                                       |
| 1873 Jan. 14.     | KITT, BENJAMIN .. .. .                                | Sydney Lodge, Bathwick, Bath.                                  |
| 1897 Jan. 12.     | { KITTO, WALTER WILLIAM }<br>MURRAY .. .. .           | Box 15, Bloemfontein, Orange Free State.                       |
| 1894 Mar. 6.      | *KLOPP, GEORGE ONNO HOMFELD                           | { 2 Carlyle Mansions, Cheyne Walk, Chelsea, S.W.               |
| 1878 Mar. 5.      | { *KNAPP, CHARLES CORNWALLIS }<br>BURTON .. .. .      | 17 Sussex Place, Slough.                                       |
| 1891 Dec. 1.      | KNIGHT, BERTRAND THORNTON                             | Ry. Dept., Pak D'joining, Siam.                                |
| 1897 Jan. 12.     | KNIGHT, CLAUD HOPE .. ..                              | Jaltipan, Vera Cruz, Mexico.                                   |
| 1890 Mar. 4.      | KNIGHT, JOHN .. .. .                                  | City Surveyor's Office, Birmingham.                            |
| 1896 Jan. 14.     | KNIGHTS, RICHARD .. ..                                | Govt. Rys., Lagos, West Africa.                                |
| 1888 May 1.       | { *KNOWLES, ARTHUR JAMES, }<br>B.A. (Cantab.) .. .. . | Central London Ry., 8 Queen Anne's Gate, S.W.                  |

| Date of Election.  | ASSOCIATE MEMBERS.                                     |  |
|--------------------|--|--|
| 1890 Dec. 2.       | KNOWLES, CHARLES EDWARD ..                             | Holmdale, Glossop, Manchester.                                     |
| 1895 Jan. 8.       | KNOWLES, GEORGE WILLIAM ..                             | Raincliffe, Clevedon, Somerset.                                    |
| 1888 Feb. 7.       | KNOWLES, ROBERT .. ..                                  | Ednaston Lodge, near Derby.  |
| 1894 Dec. 4.       | KOCH, AUGUST CHARLES .. ..                             | P.W.D., Auckland, N.Z.   |
| 1893 Dec. 5.       | KOLLE, HAROLD WERNER ..                                | Egremont, Tulse Hill, S.W.   |
| 1882 Apr. 4.       | *KORTRIGHT, LAWRENCE MOORE                             | St. Kitts, West Indies.  |
| 1893 Dec. 5.       | LABASTIDE, ALBERT FRANCIS DE                           | Govt. Rys., Trinidad.  |
| 1893 Dec. 5.       | { LABASTIDE, FERDINAND JOSEPH }<br>DE JACQUES DE .. .. | P.W.D., Port of Spain, Trinidad.<br>[Australia.]                   |
| 1887 Feb. 1.       | *LABATT, JOHN BAGOT .. ..                              | Brougham Place, N. Adelaide, S.                                    |
| 1893 Dec. 5.       | LACEY, E. MATTHEW .. ..                                | 10 Delahay St., Westminster, S.W.                                  |
| 1896 Dec. 1.       | LACEY, JOSEPH MELVILLE ..                              | P.W.D., Berampur, Madras.  |
| m 1883 May 29.     | *LACEY, THOMAS STEPHEN ..                              | Gas Light & Coke Co., Lupus St., S.W.                              |
| 1891 Dec. 1.       | LACHLAN, WILLIAM .. ..                                 | { Southern Brazilian Rio Grande do<br>Sul Ry., Rio Grande, Brazil. |
| 1894 May 22.       | LACKLAND, JOHN JAMES .. ..                             | Water Engineer, St. Helen's, Lanes.                                |
| 1894 Dec. 4.       | LACKLAND, WILLIAM SAMUEL                               | { Holderness Drainage, Beverley,<br>Yorks.                         |
| 1896 Apr. 14.      | *LADE, ALEXANDER .. ..                                 | 4 Gladstone Place, Burntisland, N.B.                               |
| 1885 Dec. 1.       | { LAFFAN, GEORGE BASTABLE,<br>B.E. (Queen's) .. ..     | } Local Board, Twickenham.   |
| 1896 Dec. 1.       | LAILEY, CHARLES NICHOLSON                              | 16 Great George Street, S.W.                                       |
| 1890 May 20.       | LAING, THOMAS ELCOAT .. ..                             | { Director of Public Works, Sierra<br>Leone.                       |
| 1895 May 21.       | *LAING, WILLIAM ARTHUR BAIRD                           | 41 Charlotte Square, Edinburgh.                                    |
| 1893 Dec. 5.       | LAING-MEASON, GILBERT ..                               | South Canterbury Club, Timaru, N.Z.                                |
| 1886 Mar. 2.       | *LAKE, HARRY HERBERT .. ..                             | P.W.D., Gwalior, Central India.                                    |
| 1898 Apr. 5.       | LAKE, VIVIAN DAVEY .. ..                               | 8 Stopford Place, Stoke, Plymouth.                                 |
| 1889 May 7.        | { *LAKE, WILLIAM GEORGE }<br>WOOLLCOMBE .. ..          | } Box 1970, Johannesburg, Transvaal.                               |
| 1893 Dec. 5.       | LAMBERT, FITZGERALD GAGE                               | B. & N.W. Ry., Gorakhpur, India.                                   |
| 1882 Mar. 7.       | *LAMBERT, GEORGE BUCHANAN                              | P.W.D., Vellore, Madras.   |
| 1895 Apr. 2.       | *LAMBERT, JOSHUA .. ..                                 | 712 High Road, Tottenham, N.                                       |
| 1889 Dec. 3.       | *LANCASHIRE, WILLIAM THOMAS                            | Deputy City Surveyor, Sheffield.                                   |
| 1892 May 3.        | LANCASTER, EDWARD WILLIAM                              | { Casata, Church Road, Moseley,<br>Birmingham.                     |
| 1889 Dec. 3.       | { LANCASTER, WILLIAM JOSEPH }<br>COSENS .. ..          | } The Kraal, St. Julian's Farm Road,<br>West Norwood, S.E.         |
| 1888 Feb. 7.       | *LANDER, PHILIP VINCENT ..                             |  |
| 1895 Dec. 3.       | LANDLESS, JAMES THOMAS ..                              | Station Buildings, Nelson, Lanes.                                  |
| 1884 May 27.       | *LANDON, HERBERT JOHN ..                               | { c.o. Dickeson & Stewart, 94 Queen<br>Victoria Street, E.C.       |
| 1893 Dec. 5.       | { *LANDON, WILLIAM HENRY }<br>FITZROY .. ..            | } Creaton House, Northampton.                                      |
| 1897 Mar. 2.       | LANE, FREDERICK PAGET ..                               | 23 East Cliff, Dover.  |
| 1887 Dec. 6.       | LANE, GEORGE .. ..                                     | Gasworks, Aylesbury.   |
| 1895 Feb. 5.       | *LANE, STANLEY ARTHUR ..                               | { H.M. Dockyard Extension, Keyham,<br>Devonport.                   |
| 1880 Dec. 7.       | *LANG, JOHN CHARLES .. ..                              | Liskeard, Cornwall.  |
| 1882 Mar. 7.       | { *LANGE, FREDERICK MONTA- }<br>GUE TOWNSHEND .. ..    | } 68 Victoria Street, S.W.   |
| 1897 Mar. 2.       | LANGFORD, WILLIAM MORRIS                               | Galatz Waterworks, Roumania.                                       |
| 1890 Mar. 4.       | *LANGSTON, ALFRED CECIL ..                             | Dowlaiswaram, Madras. [worth                                       |
| 1880 Dec. 7.       | LANGTREE, OCTAVIUS .. ..                               | The Poplars, Heronsgate, Rickmans-                                 |
| 1895 Dec. 3.       | LARARD, CHARLES EDWARD ..                              | Technical College, Huddersfield.                                   |
| 1886 Mar. 2.       | *LARGE, CHARLES JOHN EDMONDS                           | Brecon.  |
| 1896 May 5.        | *LASHMORE, ERNEST WARD ..                              | 3 Stoke View, Fishponds, Bristol.                                  |
| W t ✱ 1886 Apr. 6. | LAST, WILLIAM ISAAC .. ..                              | { Machinery Division, S. Kensington<br>Museum, S.W.                |
| 1892 Apr. 5.       | *LATIMER, HUGH HAUGHTON ..                             | Apartado 385, Mexico City.   |
| 1892 Mar. 1.       | LAUGHARNE, THOMAS ROLAND                               |  |

| Date of Election. | ASSOCIATE MEMBERS.                                     |   |
|-------------------|--|---|
| 1883 May 29.      | *LAURENCE, REGINALD .. ..                              | Gothic Works, Norwich.  |
| 1893 Dec 5.       | *LAURENS, FRANK .. ..                                  | Norfolk Park, Maidenhead.   |
| 1894 Dec. 4.      | *LAURIE, KENNETH SMALE .. ..                           | East Indian Ry., Jamalpur, Bengal.  |
| 1895 Dec. 3.      | *LAVELLE, DAVID JOHN .. ..                             | Wilson & Co., Madras.   |
| 1878 May 28.      | LAVEY, CHARLES .. ..                                   | 19 Arundel Square, Barnsbury, N.  |
| 1897 Mar. 2.      | LAW, GEORGE ERNEST .. ..                               | P W.D., Perth, Western Australia.   |
| 1888 Apr. 10.     | *LAW, HERBERT HENRY .. ..                              | { 20 Argyll Mansions, Addison<br>Bridge, W.   |
| 1886 Jan. 12.     | LAWFORD, GEORGE MAXWELL                                | 9 Bridge St., Westminster, S.W.   |
| 1890 May 20.      | LAW-GREEN, CHARLES .. ..                               | { Surveyor's Office, 49 London Road,<br>Croydon.  |
| 1896 May 5.       | LAWN, JAMES GUNSON .. ..                               | School of Mines, Kimberley, C.C.  |
| 1897 Mar. 2.      | *LAWS, BERNARD COURTNEY .. ..                          | 4 Strone Terrace, Partick, Glasgow.   |
| 1892 May 3.       | *LAWSON, ALBERT WILLIAM .. ..                          | Municipal Offices, Rawtenstall.   |
| 1882 May 2.       | LAWSON, CHARLES GRIFFIN .. ..                          | Dist. Council, Palmer's Green, N.   |
| 1889 Dec. 3.      | *LAWSON, CHARLES HENRY .. ..                           | 32 Victoria Street, Manchester.   |
| 1892 Dec. 6.      | *LAWSON, HENRY JOHN .. ..                              | The Brewery House, King's Langley.  |
| 1886 Feb. 2.      | LAWSON, VINCENT ALEXANDER                              | Stroud, Gloucestershire.  |
| 1888 Dec. 4.      | LAWTON, RICHARD JOHNSON .. ..                          | 47 Waldegrave Park, Twickenham.   |
| 1892 Mar. 1.      | { *LAZENBY, ARTHUR,<br>B.A. ( <i>Cantab.</i> ) .. .. } | { Willans & Robinson, Rugby.  |
| 1895 Dec. 3.      | *LEAVER, CYRIL D'ARCY .. ..                            | Thurlaston Holt, Hinckley.  |
| 1893 Dec. 5.      | LECOQC, SAMUEL .. ..                                   | G.P.O., Melbourne, Victoria.  |
| 1878 May 28.      | LEE, EDWIN .. ..                                       | Ferncliffe, Harehills Avenue, Leeds.  |
| 1890 May 20.      | LEE, JOHN, M.A. ( <i>Oxon.</i> ) .. ..                 | 15 St. John's Street, Mansfield.  |
| 1866 May 1.       | LEECHMAN, WILLIAM CAREY .. ..                          |   |
| 1888 Feb. 7.      | { *LEES, ARTHUR EDWARD TRE-<br>VILLION .. .. }         | { Box 455, Johannesburg, Transvaal.   |
| 1895 Dec. 3.      | LEES, HERBERT .. ..                                    | Gasworks, Hexham.   |
| 1883 Mar. 6.      | *LEES, OSWALD CAMPBELL .. ..                           | Under Secy. to Govt., P.W.D., Simla.  |
| 1891 Mar. 3.      | LEETE, WILLIAM HENRY .. ..                             | Shire Hall, Bedford.  |
| 1887 Dec. 6.      | *LEFÉBURE, EDOUARD ELIE .. ..                          | { 137 Amesbury Avenue, Streatham,<br>S.W.   |
| 1887 Mar. 1.      | LEFROY, GEORGE ANTHONY .. ..                           | { c.o. Union Bank, Perth, Western<br>Australia.   |
| m 1891 Feb. 3.    | *LEGROS, LUCIEN ALPHONSE .. ..                         | 57 Brook Green, Hammersmith, W.   |
| 1888 Feb. 7.      | *LEIGH, FREDERICK JAMES .. ..                          | Loco. & Eng. Co., Kingston, Canada.   |
| 1887 Dec. 6.      | LEIGH, HENRY HARRINGTON .. ..                          | { 22 Southampton Buildings, Chancery<br>Lane, W.C. (Rotnevi, London.<br>Holborn 133.)               |
| 1895 Jan. 8.      | LEIGH, JOHN ALFRED .. ..                               | 14 Strawberry Bank, Blackburn.  |
| m ✕ 1896 Dec. 1.  | *LEITCH, WILLIAM ORR, JUN. .. ..                       | Imperial Rys., Tientsin, China.   |
| 1892 Feb. 2.      | { *LE MESURIER, HARRY HUNT<br>PEVERIL .. .. }          | { King, King & Co., Bombay.   |
| m 1887 May 24.    | *LENGERKE, RUDOLPH EMIL VON                            | 1 Victoria Street, S.W. [Calcutta.  |
| 1883 May 29.      | LESLIE, JOSEPH .. ..                                   | 3 Canal Street, North Road, Entally,  |
| 1891 Mar. 3.      | LESLIE, ROBERT FLETCHER .. ..                          | East Indian Ry., Calcutta.  |
| 1882 May 23.      | LESTER, EDWARD ROLLS .. ..                             | 13 Whitefield Terrace, Plymouth.  |
| 1895 Mar. 5.      | *L'ESTRANGE, FRANCIS SAMUEL                            | { E. F. Leopoldina, Caixa 291, Rio de<br>Janeiro.   |
| 1884 Dec. 2.      | *LEVENTHORPE, ALGERNON .. ..                           | H. S. King & Co., 45 Pall Mall, S.W.  |
| 1891 May 12.      | *LEVENTHORPE, JOHN BONFOY                              | King, King & Co., Bombay.   |
| 1872 Dec. 3.      | LEWIS, ALFRED DAVID .. ..                              | 34 Leinster Gardens, W.   |
| 1888 Jan. 10.     | LEWIS, FRANK BECKET .. ..                              | Guildhall, Nottingham.  |
| 1892 Jan. 12.     | LEWIS, HERBERT CLARK .. ..                             | The Marty, Aberdeen.  |
| 1889 Dec. 3.      | *LEWIS, JOHN HARRY .. ..                               | Surveyor's Office, Blackwood, Mon.  |
| 1893 Dec. 5.      | *LEWIS, JOHN THORPE .. ..                              | South Indian Ry., Madras.   |
| 1898 Feb. 1.      | LEWIS, JOSEPH SLATER .. ..                             | { Jackson & Co., Salford Rolling<br>Mills, Manchester. (c.o. Jackson's,<br>Manchester. 623.) [Rads. |
| 1891 Jan. 13.     | *LEWIS, SIDNEY COOKE .. ..                             | Waterworks, Elan Valley, Rhayader,  |
| 1896 Feb. 4.      | LEWIS, THOMAS LAWRENCE .. ..                           | District Council, St. George, Bristol.  |
| 1893 Jan. 10.     | LEWIS, WILLIAM THOMAS .. ..                            | West Canal Wharf, Cardiff.  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|               |   |   |
|---------------|---|---|
| 1888 Dec. 4.  | *LIBBIS, GEORGE HILDER.. ..                               | 57 Grafton Street, Preston                                      |
| 1885 Dec. 1.  | *LIGHT, ERNEST EDWARD .. ..                               | Ry. Dept., Perth, Western Australia.                            |
| 1893 Dec. 5.  | *LIGHTBODY, ARTHUR EDWARD                                 | 22 Down Street, Piccadilly, W.                                  |
| 1877 Dec. 4.  | LILLEY, THOMAS ISAAC .. ..                                | 7 Victoria Street, S.W.   |
| 1888 Feb. 7.  | LILLJEGVIST, JOHAN RUDOLF                                 | Bengtsfors, Sweden.   |
| 1881 Feb. 1.  | *LINACRE, JOHN .. ..                                      | Hay, Breconshire.   |
| 1892 Dec. 6.  | LINDE, ALBERT DE .. ..                                    | Tientsin, China.  |
| 1889. May 7.  | { LINDESAY, CHARLES DE LA<br>POIRE CRAWFORD .. .. }       | Assistant Boro' Engineer, Durban,<br>Natal.                     |
| 1879 Dec. 2.  | LINGING, FREDERICK EDWARD                                 | 6 Lancaster Rd., Hampstead, N.W.                                |
| 1892 Apr. 5.  | LINGWOOD, GEORGE.. ..                                     | Waterworks, Barbados.   |
| 1891 Dec. 1.  | *LINNELL, ALFRED JAMES .. ..                              | Keyham Dockyard Works, Devonport.                               |
| 1890 May 6.   | LIPSCOMB, HERBERT NICHOLSON                               | Midland Ry., Kettering.   |
| 1886 Dec. 7.  | LISBOA, ALFREDO .. ..                                     | Rua S. José 102, Rio de Janeiro.                                |
| 1897 Mar. 2.  | LISTER, FRANCIS LIVERSEDGE                                | { Waterworks and Electric Light Co.,<br>Bulawayo, South Africa. |
| 1898 Apr. 5.  | LISTER, FRANK SOMERSET .. ..                              | Trinity Street, Gainsborough.                                   |
| 1878 May 28.  | LITCHFIELD, HENRY CHARLES                                 | P.W.D., Kimberley, Cape Colony.                                 |
| 1895 Dec. 3.  | LITTLE, ALBERT GEORGE .. ..                               | { Ry. Construction Branch, P.W.D.,<br>Sydney, N.S.W.            |
| 1885 Apr. 14. | *LITTLE, CHRISTOPHER .. ..                                | Linavady, Eton, Mackay, Queens-<br>land.                        |
| 1889 Dec. 3.  | { *LITTLE, WILLIAM DORRINGTON<br>BOYLE .. .. }            | P. O., Kew, Melbourne, Victoria.                                |
| 1888 Dec. 4.  | *LITTLEJOHN, HENRY .. ..                                  | Ruston, Proctor & Co., Lincoln.[S.E.                            |
| 1889 Dec. 3.  | LIVENS, FREDERICK HOWARD                                  | Royal Naval College, Greenwich,                                 |
| 1891 Feb. 3.  | *LIVERSIDGE, JOHN GEORGE, R.N.                            | Apartado 566, Havana, Cuba.                                     |
| 1895 Apr. 2.  | *LIVESEY, ALFRED PERCIVAL ..                              | 1 Pimlico Road, S.W.  |
| 1893 Feb. 7.  | LIVINGSTONE, GEORGE .. ..                                 | Montevideo, Uruguay. [Transvaal.                                |
| 1884 May 6.   | LLOBET, ANDRÉS .. ..                                      | Westwood & Winby, Komati Poort,                                 |
| 1891 Mar. 3.  | *LLOYD, BELL GEORGE .. ..                                 | H. S. King & Co., 65 Cornhill, E.C.                             |
| 1890 Jan. 14. | *LLOYD, CHARLES VEREKER .. ..                             | 7 St. Mildred's Court, Poultry, E.C.                            |
| 1882 May 2.   | { *LLOYD, GEORGE AUGUSTUS<br>HAMILTON FITZ-WARRINE .. }   | (Norpol, London. Bank 5,052.)                                   |
| 1897 Feb. 2.  | *LLOYD, GUY ERNEST .. ..                                  | Willans & Robinson, Rugby.                                      |
| 1892 Mar. 1.  | *LOAM, MATTHEW .. ..                                      | Moditanham, Hatt, Cornwall.                                     |
| 1889 Jan. 8.  | LOBNITZ, FREDERIC .. ..                                   | Clarence House, Renfrew, N.B.                                   |
| 1896 Dec. 1.  | *LOBNITZ, HENRY CALDER .. ..                              | Valetta, King Charles Rd., Surbiton.                            |
| 1886 May 4.   | LOCH, RICHARD .. ..                                       | 31 New Walk, Leicester.   |
| 1896 Jan. 14. | *LOCHHEAD, KERR, B. Sc. (Glas.)                           | 33 Gordon Street, Glasgow.                                      |
| 1886 Feb. 2.  | *LOCKHART, HAROLD EDWARD                                  | 3 Derry View, Abergavenny.                                      |
| 1889 Dec. 3.  | LOCKYER, JAMES EDWARD .. ..                               | Trevandrum, Travancore, India.                                  |
| 1898 Mar. 1.  | LODDER, ERNEST .. ..                                      | The Bungalow, River Don, Tasmania.                              |
| 1865 Feb. 7.  | LOEFFLER, JOHN CHARLES LEWIS                              | The Abbey, Campden Hill Rd., W.                                 |
| 1880 Feb. 3.  | LOGAN, JOHN WILLIAM, M.P.                                 | Market Harborough. [Down.                                       |
| 1898 Mar. 1.  | LOGIER, EUGENE ADOLPHE .. ..                              | Crawfordsburn Road, Bangor, co.                                 |
| 1892 May 3.   | LOMAX, CHARLES JAMES .. ..                                | { Grosvenor Chambers, Deansgate,<br>Manchester.                 |
| 1885 May 5.   | LOMAX, WALTER JOHN .. ..                                  | 11 Fold Street, Bolton.   |
| 1893 May 2.   | *LONG, FRANCIS MADDISON .. ..                             | Electricity Co., Duke St., Norwich.                             |
| 1897 Apr. 6.  | LONG, RICHARD CHARLES                                     | 21 Fairacres Road, Oxford.                                      |
| 1894 Dec. 4.  | { LONGFIELD, RICHARD WILLIAM<br>FREDERICK, B.A. (Dubl.) } | County Surveyor, Donegal.                                       |
| 1894 Dec. 4.  | { *LONGHURST, FREDERICK HERD-<br>MAN .. .. }              | Hyderabad-Godavery Valley Ry.,<br>Secunderabad, India.          |
| 1882 Dec. 5.  | LONGRIDGE, ROBERT CHARLES                                 | Kilrie, Knutsford. [Brazil.                                     |
| 1898 Apr. 5.  | LORIMER, JOHN ALEXANDER                                   | Gt. Western Ry., Pernambuco,                                    |
| 1891 Jan. 13. | LOUCH, JOHN DA VINCI .. ..                                | P.W.D., Auckland, N.Z.  |
| 1883 Mar. 6.  | LOUTH, GEORGE EDWARD .. ..                                | Eng.'s Office, G.W. Ry., Reading.                               |
| 1896 Feb. 4.  | LOVE, GEORGE RANKIN .. ..                                 | Gasworks, Dundalk, co. Louth.                                   |
| 1884 Mar. 4.  | *LOVEGROVE, CHARLES ARTHUR                                | Dalmeny, Sutton, Surrey.  |
| 1889 Jan. 8.  | *LOVEGROVE, EDWIN JAMES .. ..                             | { Hornsey District Council, South-<br>wood Lane, N.             |
| 1860 Mar. 6.  | LOVEGROVE, JAMES .. ..                                    | 176 Evering Rd., Upper Clapton, E.                              |
| 1888 Feb. 7.  | *LOW, PERCY ARCHIBALD .. ..                               | Bridport House, Rugby.  |



Date of  
Election.

## ASSOCIATE MEMBERS.

|         |                |  |   |
|---------|----------------|--|---|
| T t m ✕ | 1885 Mar. 3.   | *LOWCOCK, SIDNEY RICHARD ..                      | 35 Waterloo Street, Birmingham.   |
|         | 1890 Dec. 2.   | LOWRY, FREDERICK .. ..                           | 3 Essex Road, Manor Park, E.  |
|         | 1892 Dec. 6.   | LOWRY, ROBERT CHARLES ..                         | Dr. Fagan, New Westminster, British   |
|         | 1892 Dec. 6.   | LUARD, EDWARD SYDNEY ..                          | Malabar Hill, Bombay. [Columbia.  |
|         | 1870 Dec. 6.   | LUCAS, ARTHUR .. ..                              | 27 Bruton Street, W.  |
|         | 1891 Feb. 3.   | LUCAS, SAMUEL ERNEST ..                          | East Leake, near Loughborough.  |
|         | 1880 Dec. 7.   | LUCKTSTEDT, HENRY .. ..                          | W. Watson & Co., Bombay.  |
|         | 1891 Feb. 3.   | *LUCY, WILLIAM THEODORE ..                       | { Evans, Livock & Co., 130 Calle 25<br>de Mayo, Buenos Aires.               |
|         | 1888 Feb. 7.   | LUDBROOK, SAMUEL WILLIAM                         | Commercial Gas Co., Poplar, E.  |
|         | 1891 Dec. 1.   | { LUFF, GEORGE ANDREW MID-<br>DLEMISS .. .. . }  | G.P.O., Wellington, N.Z.  |
|         | ✕ 1882 Dec. 5. | LURIS, ERNEST DU LOIS ..                         | { Apartado 293, Guadalajara, Jalisco,<br>Mexico.                            |
|         | 1890 Mar. 4.   | LUNE, TOM GALLON .. ..                           | 51 Market Street, Blackpool.  |
|         | 1891 Dec. 1.   | LUND, ARTHUR .. ..                               | Asst. Borough Engineer, Bedford.  |
|         | 1888 Feb. 7.   | LUND, GEORGE WILLIAM ..                          | 27 King Street, Cheapside, E.C.   |
|         | 1883 May 29.   | *LUNGLEY, ARTHUR ROBERT ..                       | Fulton & Co., Adelaide, S. Australia.                                       |
|         | 1891 Jan. 13.  | LUNN, ALFRED .. ..                               | Middle Level Drainage, March.   |
|         | 1893 Jan. 10.  | LUNN, WILLIAM .. ..                              | Drainage Works, Bridgwater.   |
|         | 1892 May 24.   | LUPTON, ERNEST .. ..                             | 45 Melford Rd., Lordship Lane, S.E.   |
|         | 1892 May 3.    | *LYELL, DAVID .. ..                              | 1 Rutland Road, Chesterfield.   |
|         | 1887 Jan. 11.  | LYELL, ROBERT, B. Sc. (Edin.)                    | { F. C. Nord Este, Monte Cesaros,<br>Argentina.                             |
|         | 1892 Jan. 12.  | { LYNAM, FRANCIS JOHN,<br>B.E. (Royal) .. .. }   | Co. Surveyor's Office, Omagh, Tyrone.                                       |
|         | 1891 Dec. 1.   | *LYNAM, GEORGE TROTTER ..                        | Boro' Engineer, Burton-on-Trent.  |
|         | 1873 May 6.    | LYNCH, EDWARD JAMES ..                           | 45 Corrêa Dutra, Cattete, Rio de  |
|         | 1882 Jan. 10.  | LYNCH, JOSEPH .. ..                              | Nova Friburgo, Brazil. [Janeiro.  |
|         | 1885 Feb. 3.   | LYNDE, FREDERICK CHARLES ..                      | 25 Cross Street, Manchester.  |
|         | 1896 Dec. 1.   | *LYON, ERNEST .. ..                              | Calle de Blanco 279, Valparaiso.  |
|         | 1858 Feb. 2.   | LYON, GEORGE .. ..                               | Valparaiso, Chili.  |
|         | 1892 May 3.    | { MACALISTER, ROBERT JOHN<br>DUDLEY .. .. }      | e.o. Mrs. MacAilister, Heathfield,<br>Plumstead, S.E.                       |
|         | 1895 Feb. 5.   | *MACANDREW, HAROLD .. ..                         | Box 227, Buluwayo, South Africa.  |
|         | 1882 Apr. 4.   | MCARTHUR, DUNCAN WILLIAM                         | Opitonui, Auckland, N.Z.  |
|         | 1889 Dec. 3.   | *MACAULAY, FREDERIC WILLIAM                      | { Woodland Lodge, Northfield, Bir-<br>mingham.                              |
|         | 1893 Dec. 5.   | { MACAULAY, HERBERT SAMUEL<br>HEELAS .. .. }     | South Cot, Lagos, West Africa.  |
|         | 1883 Dec. 4.   | MACBEAN, MALCOLM ÆNEAS                           | Office of Public Works, Glasgow.  |
|         | 1887 Feb. 1.   | MCBEATH, ALEXANDER GORDON                        | Cawdor House, Marlborough Rd., Sale.  |
|         | 1890 May 6.    | MACBETH, JOHN BRUCE KING                         | 44 Tamarind Lane, Bombay.   |
|         | 1881 Jan. 11.  | MACBRAIR, ROBERT ALEXANDER                       | City Surveyor, Lincoln.   |
|         | 1894 Dec. 4.   | MACCABE, WILLIAM BERNARD                         | Park Cottage, Kilgobbin, co. Dublin.  |
|         | 1890 May 20.   | { MCCALLUM, THEOPHILUS SEP-<br>TIMUS .. .. }     | { 4 Chapel Walks, Cross St., Manches-<br>ter. (Drainage, Manchester. 1560.) |
|         | 1898 Feb. 1.   | { MCCARTHY, JOHN LEADER,<br>B.E. (Royal) .. .. } | 12 King's Road, Wimbledon, S.W.   |
|         | 1890 Feb. 4.   | MCCLEW, WILLIAM CHARLES                          | Erin View, Portpatrick, N.B.  |
|         | 1892 Dec. 6.   | *MCCOWAT, GEORGE HUTCHESON                       | { 8 Regent's Park Square, Strathbungo,<br>Glasgow.                          |
|         | 1875 Jan. 12.  | MCCULLOCH, ALEXANDER ..                          | Gayfield Place, Edinburgh.  |
|         | 1884 Dec. 2.   | *MACDONALD, ANGUS RODERICK                       | King, Hamilton & Co., Calcutta.   |
|         | 1876 May 30.   | MACDONALD, AUGUSTUS VANZANDT                     | Ry. Dept., Auckland, N.Z.   |
|         | 1881 May 31.   | MACDONALD, DONALD .. ..                          | 20-21 Laurence Pountney Lane, E.C.  |
|         | 1888 Dec. 4.   | MACDONALD, DONALD GRANT                          | Urban District Council, Rugby.  |
|         | 1896 Dec. 1.   | MACDONALD, DUNCAN KENNEDY                        | Municipality, Mandalay, Burma.  |
|         | 1892 May 24.   | *MACDONALD, GEORGE CHAMPION                      | Midland Ry., 79 Islip Street, N.W.  |
|         | 1892 Mar. 1.   | *MACDONALD, MURDOCH .. ..                        | { Bayfield Villa, Midmills Road,<br>Inverness.                              |



| Date of Election. | ASSOCIATE MEMBERS.                                   |  |
|-------------------|--|--|
| 1894 May 1.       | { *McDONNELL, IAN ALISTER,<br>B.A.I. (Dubl.) .. .. } | E.I. Ry., Asansol, Bengal.   |
| 1897 Mar. 2.      | { MACDOUGALL, ALEXANDER, JUN.                        | Oakhurst, Westcombe Park, S.E.                                     |
| 1896 Mar. 3.      | { (McDOUGALL, JAMES,<br>B.A. (Toronto) .. .. }       | Court House, Adelaide Street East,<br>Toronto, Canada.             |
| 1885 Feb. 3.      | { McEWEN, THOMAS SMITH ..                            | Govt. Rys., Cape Town, C.C.  |
| 1879 Dec. 2.      | { *MACFARLANE, DONALD ..                             | Breakwater, Portland.  |
| 1897 Jan. 12.     | { *MACFARLANE, RIENZI WAL-<br>TON .. .. }            | Rossland, Kootenay, British Co-<br>lumbia.                         |
| 1884 Dec. 2.      | { *MACFARLANE, THOMAS JOHN<br>MALCOLM .. .. }        | Box 1026, Johannesburg, Transvaal.                                 |
| ✠ 1883 Dec. 4.    | { MAGEORGE, LESLIE DUNCAN                            | County Council, Clyde, Otago, N.Z.                                 |
| 1890 Dec. 2.      | { (McGLASHAN, PATRICK BLACK-<br>STOCK .. .. }        | District Engineer, Kinta, Perak,<br>S.S.                           |
| 1879 Feb. 4.      | { MACGREGOR, ALFRED ALEXANDER                        | L. & N. W. Ry., Gomersal, Leeds.                                   |
| 1876 May 27.      | { *MACGREGOR, ALEXANDER ..                           | { 3 Collingham Gardens, Kensington,<br>S.W.                        |
| 1894 Jan. 9.      | { *McGUIRE, JAMES CLARK ..                           | Ellicott City, Howard County, Md.,                                 |
| 1893 Apr. 11.     | { *McINTOSH, HORACE ARTHUR ..                        | F. C. Central, Montevideo. [U S.A.                                 |
| 1891 Jan. 13.     | { *MACINTYRE, JAMES GILBERT<br>STEVENSON .. .. }     | Rymkiewicz & Co., Rua Santa Ephy-<br>genia 146, São Paulo, Brazil. |
| 1897 Feb. 2.      | { MCINTYRE, JOHN TURNBULL ..                         | { B. & N. W. Ry., Chak Sayad, P.O.<br>Begam Sarai, Tirhut, India.  |
| m 1880 May 4.     | { *MACKAY, JOHN CHARLES ..                           | 57 Madeley Road, Ealing, W.  |
| 1890 Mar. 4.      | { McKELVIE, WILLIAM ..                               | City Surveyor, Ely.  |
| 1890 Dec. 2.      | { *MACKENZIE, JAMES ..                               | Vryheid Railway, Dundee, Natal.                                    |
| 1894 Feb. 6.      | { *McKENZIE, LESSEL STEPHEN ..                       | City Engineer's Office, Bristol.                                   |
| 1889 Dec. 3.      | { MACKENZIE, THOMAS KENNETH                          | Box 2473, Johannesburg, Transvaal.                                 |
| 1892 Dec. 6.      | { {MACKENZIE - RICHARDS, PETER<br>FELIX .. .. }      | 21 Great George Street, S.W.                                       |
| 1877 Mar. 6.      | { MACKIE, CHARLES HASTINGS ..                        | R. M. Railway, Bandikui, India.                                    |
| 1882 Dec. 5.      | { McKIE, ISAAC SHEPHERD ..                           | City Surveyor's Office, Manchester.                                |
| 1885 Dec. 1.      | { McKIE, JAMES ..                                    | Sewerage Works, Southend-on-Sea.                                   |
| 1885 May 19.      | { *MACKINLAY, FREDERICK ..                           | 367 Calle Guido, Buenos Aires.                                     |
| 1885 May 19.      | { *MACKINNON, WILLIAM MACLEOD                        | { Vancouver Club, Vancouver, British<br>Columbia.                  |
| 1877 Mar. 6.      | { MACKINTOSH, PETER ARTHUR                           | Colombo, Ceylon.   |
| 1880 Dec. 7.      | { *MACLACHLAN, ALEXANDER ..                          | { 7 Laverockbank Road, Trinity,<br>Edinburgh.                      |
| 1884 Dec. 2.      | { *McLAREN, RAYNES LAUDER                            | 10 Lammas Park Gardens, Ealing, W.                                 |
| 1894 Dec. 4.      | { {MACLEAN, CHARLES STEWART<br>DOUGLAS .. .. }       | Eng.'s Office, Midland Ry., Derby.                                 |
| 1889 Dec. 3.      | { MACLEAN, CHARLES WILLIAM                           | Marine Board, Melbourne, Victoria.                                 |
| 1890 Apr. 1.      | { MACLEAN, MORDAUNT LEYEURN                          | The Rift, Boural, N.S.W.   |
| 1893 May 2.       | { McLELLAN, DUGALD ..                                | { Eng.'s Office, L. T. & S. Ry., Fen-<br>church Street, E.C.       |
| 1877 Feb. 6.      | { McLELLAN, GEORGE ..                                | { C. Silberbauer, Box 263, Cape<br>Town, C.C. [Glasgow.]           |
| 1889 May 21.      | { *MACLELLAN, WILLIAM TURNER                         | 129 Trongate, Glasgow. (MacLellan.                                 |
| 1879 Feb. 4.      | { MACLENNAN, JOSEPH ..                               | { Portugalete, Bilbao, Spain. (Mac-<br>Lennan, Bilbao.)            |
| 1876 Dec. 5.      | { *MACMAHON, HENRY EUGENE                            | { Leadmore, Branksome Wood Road,<br>Bournemouth.                   |
| 1894 Feb. 6.      | { *McMAHON, PETER VALENTINE                          | 195 Clapham Road, S.W.   |
| 1889 Dec. 3.      | { McMAKING, THOMAS ..                                | Fortaleza, Brazil.   |
| 1893 May 16.      | { McMILLAN, HENRY ..                                 | R. M. Railway, Bandikui, India.                                    |
| 1894 Jan. 9.      | { *McMILLAN, JAMES PETER ..                          | { 20. T. Stewart, St. George's Cham-<br>bers, Cape Town, C.C.      |
| 1884 May 6.       | { McMINN, ARTHUR CHARLES ..                          | Gas L. & C. Co., Kensal Green, W.                                  |
| 1891 Feb. 3.      | { {*McMURTRIE, GEORGE EDWIN<br>JAMES .. .. }         | { Foxes Bridge Colliery, Cinderford,<br>Glos.                      |
| 1897 Dec. 7.      | { McNEILL, BEDFORD ..                                | 25A Old Broad Street, E.C.   |
| 1890 Dec. 2.      | { McNEILL, JOHN SMITH ..                             | Midland Ry., Jhansi, India.  |

| Date of Election. |   | ASSOCIATE MEMBERS.  |  |
|-------------------|---|---|--|
| 1893 May 2.       | McNEILL, WILLIAM .. ..  | 29 North Villas, Camden Square, N.W.  |  |
| 1897 Jan. 12.     | McNELLAN, JAMES EDWARD ..                                       | Box 742, Johannesburg, Transvaal.   |  |
| 1878 May 28.      | MACNIE, JOHN .. .. .  | Gasworks, Londonderry.  |  |
| 1896 Feb. 4.      | MACPHERSON, MALCOLM .. ..                                       | { Eng.'s Office, St. Enoch Station, Glasgow.  |  |
| 1887 Apr. 5.      | McPHERSON, JOHN AMBROSE ..                                      | Waterworks Office, Bristol.   |  |
| 1894 May 1.       | { McQUEEN, WILLIAM TEMPLE,<br>B.Sc. ( <i>Glas.</i> ) .. .. . }  | { Holsworthy & Bude Ry., Hols-<br>worthy, Devon.  |  |
| 1892 May 3.       | MACRONE, GRIEVE .. .. .   | 31 Partridge Road, Cardiff.   |  |
| 1892 Apr. 5.      | MACTIER, ALEXANDER STEWART                                      | 14 Somerset Place, Bath.  |  |
| 1892 May 24.      | *MADDOCK, PERCY WALTER ..                                       | Sunny Bank, Shevington, Wigan.  |  |
| 1897 Dec. 7.      | { *MADELEY, JAMES WELBY, M.A.<br>( <i>Cantab.</i> ) .. .. . }   | { Elan Aqueduct, Rhayader, Rads.  |  |
| 1891 Jan. 13.     | MAGINNIS, JAMES PORTER .. ..                                    | 9 Carteret Street, Westminster, S.W.  |  |
| 1884 Apr. 1.      | MAHONY, FRANCIS RONAN .. ..                                     | { Water Supply Office, Ballarat,<br>Victoria.   |  |
| 1889 Feb. 5.      | MAIR, HUGH .. .. .  | Vestry Hall, Hammersmith, W.  |  |
| 1891 Dec. 1.      | *MAIR, JAMES .. .. .  | 24 Dockway Square, North Shields.   |  |
| 1884 Apr. 1.      | *MAIS, CHARLES LESLIE STEWART                                   | 10 Harbor St., Kingston, Jamaica.   |  |
| 1896 Dec. 1.      | MAKINSON, THOMAS HENRY ..                                       | { Gt. Central Ry., Guide Bridge,<br>Lancashire.   |  |
| ✦ 1891 Dec. 1.    | *MACCOLMSON, JAMES WADDELL                                      | Smelting Works, El Paso, Texas,   |  |
| 1882 Mar. 7.      | { *MALET, ALLAN ARTHUR<br>GRENVILLE .. .. . }                   | { Parry & Co., Madras. [U.S.  |  |
| 1889 Dec. 3.      | MALLALIEU, FRANCIS MAYALL                                       | Box 715, Johannesburg, Transvaal.   |  |
| 1894 Dec. 4.      | MALSCH, CHARLES CHRISTIAN ..                                    | P.W.D., Hong Kong.  |  |
| 1894 Apr. 3.      | MANN, GEORGE .. .. .  | 10 Polmuir Road, Aberdeen.  |  |
| 1891 May 5.       | MANN, JABEZ .. .. .   | Local Board, Sevenoaks.   |  |
| 1886 Jan. 12.     | MANN, JOHN RANDALL .. ..  | { Beaumont House, The Woodlands,<br>Isleworth. [Melbourne, Victoria,                    |  |
| 1883 May 1.       | *MANN, JOHN RANDALL, JUN..                                      | Johnstone & Tait, 80 Swanston St.,  |  |
| 1895 May 21.      | MANNING, WILLIAM ROBERT ..                                      | { St. Maur, Henderson Road, Wands-<br>worth Common, S.W.                                |  |
| 1891 May 5.       | *MANSEERGH, ERNEST LAWSON ..                                    | 5 Victoria Street, S.W.   |  |
| 1897 Jan. 12.     | *MANSEERGH, WALTER LEAHY ..                                     | 51 Fitzjohn's Avenue, N.W.  |  |
| 1891 Dec. 1.      | *MANTON, ARTHUR WOODROFFE                                       | { Central London Ry., 7 Holland<br>Park Avenue, W.                                      |  |
| 1881 Feb. 1.      | *MANWARING, HENRY HARE ..                                       | 107 Manor Road, Brockley, S.E.  |  |
| 1885 Feb. 3.      | *MARCET, ALEXANDER .. ..  | 23 St. Swithin's Lane, E.C.   |  |
| 1889 May 21.      | MARCHBANKS, JAMES .. ..   | Manawatu Ry., Wellington, N.Z.  |  |
| 1883 May 1.       | *MARJORIBANKS, DUDLEY SINCLAIR                                  | The Cedars, Gosforth-on-Tyne.   |  |
| 1893 Jan. 10.     | *MARKEY, WALTER .. .. .   | 24 Westbourne Terrace Road, W.  |  |
| 1892 Dec. 6.      | { *MARKS, EDWARD CHARLES<br>ROBERT .. .. . }                    | { 13 Temple Street, Birmingham.   |  |
| t ✦ 1884 Mar. 4.  | *MARKS, GEORGE CROYDON .. ..                                    | { 18 Southampton Buildings, Chancery<br>Lane, W.C. (Abecedary, London.<br>Holborn 836.) |  |
| 1887 Apr. 5.      | *MARKS, HENRY CAPNER .. ..                                      | City Surveyor, Carlisle.  |  |
| 1872 Dec. 3.      | MARKS, THOMAS THOMAS .. ..                                      | Llewelyn Chambers, Llandudno.   |  |
| 1887 Feb. 1.      | *MARRIAN, FREDERIC YORK ..                                      | { 1 Cranley Villas, Muswell Hill<br>Road, N.  |  |
| 1894 Dec. 4.      | *MARRINER, WILLIAM WRIGHT                                       | 9 Gloucester Place, Greenwich, S.E.   |  |
| 1898 Apr. 5.      | MARSH, CHARLES FLEMING .. ..                                    | { Catclegugh, Otterburn, Northumber-<br>land.   |  |
| 1889 Feb. 5.      | *MARSH, DOUGLAS EARLE .. ..                                     | G. N. Ry., Loco. Dept., Doncaster.  |  |
| 1887 May. 3.      | { *MARSH, LEONARD SWAINE<br>MORTLOCK .. .. . }                  | { Waterworks Office, Sheffield.   |  |
| 1876 Feb. 1.      | { MARSHALL, ARTHUR .. .. .<br>B.A. ( <i>Cantab.</i> ) .. .. . } | { Swadlincote, Burton-on-Trent.   |  |
| 1886 Dec. 7.      | *MARSHALL, HERBERT AUGUSTUS                                     | Alexandrowsk, Ekaterinoslav, Russia.  |  |
| 1889 May 7.       | MARSHALL, JENNER GUEST .. ..                                    | Chance Bros. & Co., nr. Birmingham.   |  |
| 1893 Mar. 7.      | MARSHALL, LAUNCELOT PAUL  | Main Drainage Works, Norwich.   |  |
| 1888 May 15.      | MARSTON, CHARLES FREDERICK                                      | Borough Surveyor, Sutton Coldfield.   |  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |  |   |
|-----|---------------|--|---|
|     | 1892 May 24.  | *MARSTON, EDWARD HOWIS ..                                      | 21 Queen's Road, Beckenham.                         |
|     | 1884 Feb. 5.  | MARSTON, GEORGE DALLAS ..                                      | G.I.P. Ry., Bombay.                                 |
|     | 1893 Dec. 5.  | MARTEN, HENRY .. ..  | Avonside House, Keynsham, Bristol.                  |
|     | 1884 May 27.  | *MARTEN, HENRY JAMES ..  | 158 Streatham High Road, S.W.                       |
|     | 1891 May 5.   | *MARTEN, HUBERT BINDON ..                                      | Regent's Canal Dock, Limehouse, E.                  |
|     | 1898 Apr. 5.  | MARTIN, ARTHUR JOHN ..   | Bradinch House, Exeter.                             |
|     | 1896 Dec. 1.  | *MARTIN, ERNEST BRANWHITE                                      | City Eng.'s Office, Leeds.                          |
|     | 1893 Apr. 11. | *MARTIN, ERNEST METEOR ..                                      | Hanwell, W.   |
|     | 1878 Feb. 5.  | MARTIN, GEORGE .. ..   | 87 Central Hill, Upper Norwood, S.E.                |
|     | 1893 Dec. 5.  | MARTIN, GEORGE HENRY ..  | 15a Palmerston Rd., Bowes Park, N.                  |
|     | 1887 Dec. 6.  | MARTIN, JOSEPH ERNEST ..                                       | Nizam's Ry., Secunderabad, India.                   |
|     | 1877 Mar. 6.  | MARTIN, THOMAS HENRY ..  | New Barnet, Herts. [Fé, Argentina.                  |
|     | 1886 May 18.  | MARTIN, WILLIAM JAMES ..                                       | Aguas Corrientes, Rosario de Santa                  |
|     | 1888 Dec. 4.  | *MARTINDALE, WARINE BEN HAY                                    | Roveoaks, Ingatestone, Essex.                       |
|     | 1890 Dec. 2.  | *MARTINEAU, HOWARD .. ..                                       | { Brook Paper Mills, Little Eaton, nr.<br>Derby.    |
|     | 1893 Mar. 7.  | *MARTIN-LEAKE, RICHARD ..                                      | Marshalls, Ware, Herts.                             |
|     | 1888 Dec. 4.  | *MARTIN-LEAKE, STEPHEN ..                                      | Marshalls, Ware, Herts.                             |
|     | 1880 Dec. 7.  | MARTYN, GEORGE VALENTINE                                       | Consulting Eng. for Rys., Rangoon.                  |
|     | 1884 Dec. 2.  | *MARWOOD, HORACE RICHARD ..                                    | Govt. Rys., Port of Spain, Trinidad.                |
|     | 1887 May 3.   | MASON, CHARLES .. ..   | Foster & Pearson, Beeston, Notts.                   |
|     | 1897 Mar. 2.  | MASON, CHARLES GEORGE ..                                       | Boro' Surveyor, Guildford.                          |
|     | 1877 Dec. 4.  | *MASON, WILLIAM JOSHUA ..                                      | Holmleigh, The Avenue, Surbiton.                    |
|     | 1881 May 31.  | MASSIE, JOHN DUNHAM ..   | 8 Princes Street, E.C.                              |
|     | 1888 Apr. 10. | MASSIE, FRANK .. ..  | Tetley Ho., Kirkgate, Wakefield.                    |
|     | 1884 Feb. 5.  | MASTERMAN, CHARLES EDWARD                                      | Greenlees, Northwood, Middlesex                     |
|     | 1886 Feb. 2.  | MASTERTON, HENRY .. ..   | 111 Boutport Street, Barnstaple.                    |
|     | 1896 May 5.   | MATHER, SAMUEL .. ..   | Victoria Road, Surbiton.                            |
| m ✚ | 1896 Dec. 1.  | *MATHESON, EDWARD EWING ..                                     | 31 Clarendon Road, Leeds.                           |
| ✚   | 1883 Mar. 6.  | MATHESON, HENRY CRIPPS ..                                      | { J. Birch & Co., 10 Queen Street<br>Place, E.C.    |
|     | 1892 May 24.  | MATHEW, CHARLES .. ..  | Boro' Surveyor, Ryde, I.W.                          |
|     | 1867 Apr. 2.  | MATHEWS, EDWARD DAVIS ..                                       | { 337 Dashwood House, E.C. (Rafts-<br>man, London.) |
|     | 1893 Jan. 10. | MATHEWS, GEORGE SOMERS ..                                      | District Council, Dorking.                          |
|     | 1895 Dec. 3.  | { *MATTHEWS, ARTHUR BRINCKEN,<br>B.A. ( <i>Cantab.</i> ) .. .. | Newclose, near Newport, I.W.                        |
|     | 1893 Dec. 5.  | *MATTHEWS, JAMES NEWSOME ..                                    | 9 St. George's Villas, Doncaster.                   |
|     | 1877 Mar. 6.  | { *MATTHEWS, WILLIAM MAC-<br>DONALD .. ..                      | Canyngs House, Clifton Downs,<br>Bristol.           |
|     | 1888 May 1.   | *MATTOIS, ALVARO GOMES DE ..                                   | 98 Rua da Saude, Rio de Janeiro.                    |
|     | 1894 Mar. 6.  | MAULDIN, PAMPLIN JOHN ..                                       | 125 Boleyn Rd., Upton, West Ham, E.                 |
|     | 1895 Jan. 8.  | MAVOR, HENRY ALEXANDER ..                                      | 47 King Street, Bridgeton Cross,                    |
|     | 1884 Dec. 2.  | MAVOR, PERCY WILLIAM ..  | Linares, Spain. [Glasgow.                           |
|     | 1894 May 22.  | *MAWSON, MATTHEW ..  | 5 Park Place, Greenwich, S.E.                       |
|     | 1885 Apr. 14. | *MAXTED, GEORGE VINCENT ..                                     | Ivy Cottage, Willerby, Hull.                        |
|     | 1885 Mar. 3.  | *MAY, CHARLES RAMSDEN ..                                       | Orwell Lodge, Erith, Kent.                          |
|     | 1876 Mar. 7.  | MAY, JAMES GEORGE .. ..  | { 72 Bensham Manor Road, Thornton<br>Heath.         |
|     | 1892 May 3.   | *MAY, JOHN .. ..   | 37 Granville Park, Lewisham, S.E.                   |
|     | 1883 Apr. 3.  | MAY, OLIVER .. ..  | 38 Castle Street, Canterbury.                       |
|     | 1879 Dec. 2.  | MAY, THOMAS .. ..  | Gas and Waterworks, Canterbury.                     |
|     | 1884 May 27.  | MAY, THOMAS, JUN. .. ..  | Gasworks, Richmond, Surrey.                         |
|     | 1893 Dec. 5.  | MAY, WALTER .. ..  | Pulsometer Eng. Co., Nine Elms,                     |
|     | 1890 Jan. 14. | *MAY, WALTER EDWARD ..   | L. & N. W. Ry., Crewe. [S.W.                        |
|     | 1866 Mar. 6.  | { MAYER, EDWARD ADOLPHUS<br>FENWICK .. ..                      |   |
|     | 1893 Jan. 10. | *MAYES, ARTHUR ERNEST ..                                       | P. W. D., Avisawella, Ceylon.                       |
|     | 1889 Dec. 3.  | MAYLOR, WILLIAM, JUN. ..                                       | Calicut, Malabar Coast, India.                      |
|     | 1890 May 6.   | { *MAYNARD, JOHN CLARKSON<br>PHILLIPS .. ..                    | G.I.P. Ry., Bombay.                                 |
| ✚   | 1894 Dec. 4.  | *MAYNE, CHARLES .. ..  | Municipal Office, Shanghai.                         |
|     | 1893 Jan. 10. | MEABY, MICHAEL CHARLES ..                                      | 22 Chancery Lane, W.C.                              |

| Date of Election. | ASSOCIATE MEMBERS.                                |       |  |
|-------------------|---|-------|--|
| 1876 Jan. 11.     | MEAD, ARTHUR                                      | .. .. | { 1 Florence Villas, Grange Park Road, Leyton, E.        |
| 1871 Mar. 7.      | MEACHER, JAMES JOSEPH                             | ..    | St. Lucia, West Indies. [House, E.C.                     |
| 1896 Feb. 4.      | MEDLICOTT, JOHN HENRY                             | ..    | c.o. MacLachlan & Co., Winchester.                       |
| 1890 Dec. 2.      | MEE, GEORGE HENRY                                 | .. .. | Indian Midland Ry., Bina, C. P.                          |
| 1883 May 29.      | MEILBEK, JOSEPH                                   | .. .. | 13 Victoria Street, S.W. [India                          |
| 1894 Mar. 6.      | { *MEISCHKE-SMITH, WILLIAM, }<br>M.Sc. (Victoria) | .. .. | Anglo-Dutch Gas Traction Co., & Doelenstraat, Amsterdam. |
| 1897 Apr. 6.      | *MELDRUM, JAMES                                   | .. .. | Rodney Irrigation, Tatura, Victoria.                     |
| 1888 Feb. 7.      | { MELICUSH, THOMAS WALTER }<br>WARREN             | .. .. | I. Schenkenstrasse 10, Vienna.                           |
| 1893 May 16.      | { MELLOR, THOMAS EDWARD }<br>WHEATLEY             | .. .. | Boro' Engineer, Tunbridge Wells.                         |
| 1894 Feb. 6.      | { MELVILL, EDWARD HARKER }<br>VINTCENT            | .. .. | Box 719, Johannesburg, Transvaal.                        |
| 1895 May 21.      | MENDONCA, BIANOR SILVANO DE                       |       | { Carlos Wigg, 70 Rua do General Camara, Rio de Janeiro. |
| 1882 May 2.       | *MENNEER, RICHARD ROBERT                          | ..    | P.W.D., Western Nara, Sind, India.                       |
| 1874 Feb. 3.      | MENZIES, JOHN                                     | .. .. | Menai Bank, Carnarvon.                                   |
| 1883 Dec. 4.      | *MERCER, GEORGE BARKER                            | ..    | { 38 Chatham Street, Liverpool. (Arrenpee, Liverpool.)   |
| 1889 Dec. 3.      | MERCER, WILLIAM ALEXANDER                         |       | { c.o. Bewick, Moring & Co., Broad Street House, E.C.    |
| 1893 May 2.       | MERCIECA, VINCENTO                                | .. .. | San Paolo 232, Valletta, Malta.                          |
| 1891 May 5.       | MEREDITH, WILLIAM MAXSE                           | ..    | 13 Pembroke Gardens, S.W.                                |
| 1895 Dec. 3.      | { *MERRY DEL VAL Y ZULUETA, }<br>DOMINGO          | .. .. | Jovellanos 7, Madrid.                                    |
| 1891 Apr. 7.      | MESSENGER, THOMAS                                 | .. .. | Paris House, Snargate Street, Dover.                     |
| 1895 Apr. 2.      | { MESSER, WILLIAM ALFRED }<br>SABINE              | .. .. | Melrose, Eltham Road, Lee.                               |
| 1892 Feb. 2.      | METCALF, JOHN WILLIAM                             | ..    | Town Surveyor, Newmarket.                                |
| 1888 May 15.      | *METCALFE, ARTHUR WHARTON                         |       | Bank Buildings, Corn Street, Bristol.                    |
| 1892 Dec. 6.      | METCALFE, HENRY HULBERT                           |       | Seymour St., Auckland, N.Z.                              |
| 1896 Dec. 1.      | METZGER, GUSTAVUS FERDINAND                       |       | 7 Dorchester Street, Bath. [Chili.                       |
| 1897 Mar. 2.      | MICHAEL, FREDERICK                                | .. .. | Tarapaca Waterworks Co., Iquique,                        |
| 1880 May 4.       | *MICHELL, THEOPHILUS                              | .. .. | 17 Trewirgie, Redruth, Cornwall.                         |
| 1881 Dec. 6.      | *MICHELL, WILLIAM                                 | .. .. | N. W. Ry., Lahore, India.                                |
| 1889 Jan. 8.      | *MIDDLEMIST, HENRY WARD                           | ..    | Graveley, Stevenage, Herts.                              |
| 1892 Feb. 2.      | MIDDLETON, RICHARD HENRY                          |       | Borough Engineer, Walsall.                               |
| 1892 Dec. 6.      | MILBOURNE, ROBERT JOHN                            | ..    | 325 Hunslet Road, Leeds.                                 |
| 1893 Mar. 7.      | *MILDRED, CHARLES                                 | .. .. | Arbuthnot & Co., Madras.                                 |
| 1896 Feb. 4.      | *MILES, HARRY POWELL                              | .. .. | Eng.'s Office, Midland Ry., Derby.                       |
| 1892 Dec. 6.      | MILLER, ERNEST                                    | .. .. | City Surveyor's Office, Manchester.                      |
| 1893 May 2.       | MILLER, HARRY WILLIAM                             | ..    | Box 1366, Johannesburg, Transvaal.                       |
| 1883 Feb. 6.      | MILLER, HENRY                                     | .. .. | Surveyor, Felling, co. Durham. [pool.                    |
| 1892 Dec. 6.      | *MILLER, HENRY MORLEY                             | ..    | 3 Grassendale Rd., Cressington, Liver-                   |
| 1892 Mar. 1.      | MILLER, HERBERT WOODVILLE                         |       | { Electric Light Works, Kensington Court, W.             |
| 1894 Dec. 4.      | MILLER, JOHN EZRA                                 | .. .. | 17 Fawcett Street, Sunderland.                           |
| 1892 Dec. 6.      | *MILLER, ROBERT FAULDS                            | ..    | 109 Bath Street, Glasgow.                                |
| 1885 Dec. 1.      | *MILLER, THOMAS LODWICK                           | ..    | { 7 Tower Buildings North, Water Street, Liverpool.      |
| 1894 May 1.       | *MILLER, WILLIAM AKERMAN                          | ..    | P.W.D., Black River, Jamaica.                            |
| 1881 Dec. 6.      | MILLHOUSE, WILLIAM                                | .. .. | Waterworks, Scarborough. [Dublin.                        |
| 1896 May 5.       | MILLING, HUGH                                     | .. .. | 5 Carlisle Terrace, Malahide, co. Dublin.                |
| 1894 Dec. 4.      | *MILLINGTON, JOHN STOTT                           | ..    | Boro' Surveyor's Office, Reading.                        |
| 1895 May 21.      | MILLNER, WILLIAM JAMES                            | ..    | D.P.W., Sydney, N.S.W.                                   |
| 1890 Apr. 1.      | MILLS, ARTHUR EDWIN                               | .. .. | Marietta, Sandycove, co. Dublin.                         |
| 1893 Dec. 5.      | MILLS, CHARLES WALTER                             | ..    | F. C. del Sud, Buenos Ayres.                             |
| 1892 Dec. 6.      | *MILLS, GEORGE PILKINGTON                         | ..    | The Woodlands, Beeston, Notts.                           |
| 1885 Dec. 1.      | *MILLS, JOHN CHARLES                              | .. .. | King, King & Co., Bombay.                                |
| 1884 Feb. 5.      | { *MILLS, WILLIAM BURTON }<br>SAVILLE             | .. .. | L. C. & D. Ry., Swanley.                                 |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                  |  |   |
|------------------|--|---|
| 1894 Dec. 4.     | MILNER, CHARLES SIDDALL ..                               | 1 Pimlico Road, S.W.  |
| 1870 Apr. 5.     | MILNER, HENRY ERNEST ..                                  | { Dulwich Wood, Norwood, S.E.<br>(Paysagiste, London.)      |
| 1888 Dec. 4.     | *MILNES, GEORGE PERCIVAL ..                              | Town Surveyor, Stroud, Glos.                                |
| 1882 Dec. 5.     | MINAMI, KIYOSHI .. ..                                    | Sanyo Ry., Hiogo, Japan.                                    |
| 1881 Apr. 5.     | MINCHIN, JOHN BIRCH ..                                   | J. D. Campbell & Co., Taona, Chili.                         |
| 1893 Jan. 10.    | MITCHELL, ERNEST HERBERT ..                              | e.o. H.B.M. Consul, Tientsin, China.                        |
| 1889 Jan. 8.     | *MITCHELL, HUGH McPHERSON                                | G. I. P. Ry., Bombay.                                       |
| 1886 Feb. 2.     | MITCHELL, THOMAS .. ..                                   | Calcutta.   |
| 1888 May 15.     | { MITCHELL, THOMAS WILFRED<br>HOWE .. .. }               | Mining Offices, Eldon St., Barnsley.                        |
| 1891 Jan. 13.    | MITCHESON, PERCY EDWARD                                  | Durban, Natal.  |
| 1895 Mar. 5.     | { MITRA, RAJESVARA, B.A. (Cal-<br>cutta.) .. .. }        | Jabalpur, C.P., India.                                      |
| 1882 Dec. 5.     | MITRE Y VEDIA, EMILIO ..                                 | Buenos Aires.   |
| 1896 Apr. 14.    | { MITTELHAUSEN, CHARLES<br>JULIUS ALFRED .. .. }         | 19 St. John's Park, Blackheath, S.E.                        |
| 1896 May 19.     | MITTON, ARTHUR DURY ..                                   | Oakwood, Walkden, Bolton.                                   |
| 1883 May 29.     | { MOLECEY, CHARLES SIMPSON<br>TWIGGE .. .. }             | Nelson's Wharf, Lambeth, S.E.                               |
| 1881 May 31.     | MOLINE, WILLIAM .. ..                                    | 19 The Avenue, Clifton, Bristol.                            |
| 1896 Dec. 1.     | *MOLLER, WARDEN APPLEBY ..                               | Shanghai, China.  |
| 1895 Dec. 3.     | MOLLOY, HARRY JAMES ..                                   | Birar-Shimoga Ry., Tarikere, Mysore.                        |
| 1883 Feb. 6.     | { MOLONY, JOHN STORAN,<br>M.A.I. (Dubl.) .. .. }         | 191 Crocker Buildings, San Fran-<br>cisco, California, U.S. |
| 1893 Feb. 7.     | MONASH, JOHN, M.C.E. (Melb.)                             | 49 Elizabeth St., Melbourne, Victoria.                      |
| 1880 May 4.      | *MONCKTON, MARMADUKE JOHN                                | H. S. King & Co., 65 Cornhill, E.C.                         |
| 1894 Dec. 4.     | *MONCUR, GEORGE, B.Sc. (Edin.)                           | Mrs. Logie, 1 Fitzroy Place, Perth.                         |
| 1886 Feb. 2.     | MONCUR, JAMES .. ..                                      | Chief Surveyor of Roads, Stafford.                          |
| 1893 Dec. 5.     | MONCUR, JOHN WILLIAM ..                                  | Burgh Surveyor, Paisley, N.B.                               |
| m † 1888 Feb. 7. | *MONEY, ROBERT JARRATT ..                                | { 14 York Mansions, Battersea Park,<br>S.W.                 |
| 1898 Apr. 5.     | { MONEY-KENT, JULIAN MONEY<br>VERNON .. .. }             | Line Tree House, Twickenham,<br>S.W.                        |
| 1894 Mar. 6.     | { *MONIER-WILLIAMS, OUTRAM<br>FAITHFULL .. .. }          | T. Stewart, 6 St. George's Chambers,<br>Cape Town, C.C.     |
| 1892 Apr. 5.     | MONIES, ALFRED .. ..                                     | Grindlay & Co., Calcutta.                                   |
| 1894 May 22.     | { MONKHOUSE, EDWARD WYND-<br>HAM, M.A. (Cantab.) .. .. } | 14 Old Queen St., Westminster, S.W.                         |
| 1896 May 5.      | MONKHOUSE, HAROLD JOHN                                   | { Aguas Corrientes, Canelones, Monte<br>Video.              |
| 1866 Feb. 6.     | MONSON, EDWARD .. ..                                     | St. James' Place, Garlick Hill, E.C.                        |
| 1882 Feb. 7.     | *MONSON, GEORGE JOHN ..                                  | Surveyor's Office, Wellington, Salop.                       |
| 1886 Apr. 6.     | MONSON, HENRY .. ..                                      | Vestry Hall, Piccadilly, W.                                 |
| 1896 Dec. 1.     | *MONTAGU, DROGO .. ..                                    | Telegraph Dept., Colombo, Ceylon.                           |
| 1892 Mar. 1.     | *MONTEATH, KENNETH McLAURIN                              | 56 Manor Place, Edinburgh.                                  |
| 1895 Dec. 3.     | *MOON, EDWIN JOHN .. ..                                  | A. Kranss, Russell Town, Bristol.                           |
| 1897 Dec. 7.     | { *MOONBY, WILLIAM HENRY,<br>M.Sc. (Victoria) .. .. }    | 21 Haddington Road, Stoke, Devon-<br>port.                  |
| 1876 Mar. 7.     | *MOORE, ALEXANDER WILLIAM                                | { G. W. Ry., Eng.'s Office, Paddington,<br>W.               |
| 1891 May 5.      | *MOORE, ARTHUR MEYRICK ..                                | Beira Ry., Beira, East Africa.                              |
| 1894 May 1.      | *MOORE, ARTHUR PILCHER FORD                              | 9 Lammas Park Gardens, Ealing, W.                           |
| 1894 May 1.      | { MOORE, CHARLES ELLIOTT,<br>B.A.I. (Dubl.) .. .. }      | Box 461, Pretoria, Transvaal.                               |
| 1887 Mar. 1.     | MOORE, CUNINGHAME WILSON                                 |   |
| 1886 Dec. 7.     | *MOORE, EDWIN HENRY ..                                   | 37 Old Queen St., Westminster, S.W.                         |
| 1894 May 1.      | { MOORE, ERNEST SHERWOOD<br>WOOLLARD .. .. }             | { Electric Construction Corporation.<br>Wolverhampton.      |
| 1895 Apr. 2.     | *MOORE, GODFREY WILSON ..                                | South Indian Ry., Vellore, Madras.                          |
| 1891 Dec. 1.     | *MOORE, KENTISH .. ..                                    | Box 7, Johannesburg, Transvaal.                             |
| 1888 Mar. 6.     | MOORE, WILLIAM JAMES PERRY                               | { Worthington Co., 153 Queen Victoria<br>St., E.C.          |



| Date of Election. |     | ASSOCIATE MEMBERS.   |  |
|-------------------|-----|--|--|
| 1891 Dec.         | 1.  | { MOORHEAD, ROBERT BRADSHAW, ..<br>B.A.I. ( <i>Dubl.</i> ) .. .. }   | 15 Kiangse Road, Shanghai, China.  |
| 1896 Dec.         | 1.  | * MORELAND, RICHARD, JUN. .. ..                                      | 3 Old Street, E.C.   |
| 1892 Feb.         | 2.  | MORGAN, ARTHUR HENRY .. ..   | Kyat-Pyin, Ruby Mines, Burma.  |
| 1890 Feb.         | 4.  | MORGAN, JAMES .. ..  | City Engineer's Office, Liverpool.   |
| 1889 Dec.         | 3.  | MORGAN, WILLIAM BARLOW .. ..   | { Mannamead, Dorechester Rd, Weymouth.   |
| 1889 Dec.         | 3.  | { * MORIARTY, HENRY ALLASTER ..<br>ORPEN .. .. }                     | Roscrea Priory, Goulburn, N.S.W.   |
| 1889 Mar.         | 5.  | * MORLEY, JOHN GEORGE .. ..  | Town Hall, West Ham, E.  |
| 1891 Dec.         | 1.  | { * MORONY, HENRY VEREKER ..<br>LLOYD, B.E. ( <i>Queen's</i> ). .. } | Harbour Engineer, Limerick.  |
| 1883 Feb.         | 6.  | MORRIS, EDMUND LEGH .. ..  | New River Works, Finsbury Park, N.   |
| 1889 Dec.         | 3.  | * MORRIS, FRANCIS SANDERS .. ..                                      | 4 Trafalgar Square, W.C. [gan.]  |
| 1894 Dec.         | 4.  | MORRIS, GEORGE EDWIN .. ..   | District Council, Cowbridge, Glamor.   |
| 1889 Dec.         | 3.  | MORRIS, PERCY MACDONALD .. ..  | { Rosebank, Great Elms Road, Bromley, Kent.  |
| 1888 May          | 15. | * MORRIS, WILLIAM ROBERT .. ..                                       | Gt. Central Ry., Byfield, Northants.   |
| 1894 May          | 22. | * MORRIS, WILLIAM VANE .. ..   | 2 Stodart Road, Anerley, S.E.  |
| 1898 Apr.         | 5.  | * MORRISON, RALPH PERCY .. ..  | 15 Hyde Park Terrace, Leeds.   |
| 1887 May          | 24. | * MORSE, AMYAS .. ..   | N. W. Ry., Lahore, India.  |
| 1894 Dec.         | 4.  | * MORTON, HUGH JAMES .. ..   | { Invergarry & Fort Augustus, Ry., Laggan, N.B.                                    |
| 1894 Dec.         | 4.  | MORTON, OSWALD GORDON .. ..  | Roads Dept., Newcastle, N.S.W.   |
| 1890 Mar.         | 4.  | * MOSS, HENRY ALLAN .. ..  | H. S. King & Co., 65 Cornhill, E.C.  |
| 1879 Feb.         | 4.  | MOSSALLEM, M. LABEEB .. ..   | Cairo, Egypt.  |
| 1892 Dec.         | 6.  | { MOULD, GEORGE ALEXANDER ..<br>HUTCHINGS .. .. }                    | P.W.D., Kingston, Jamaica.   |
| 1894 Dec.         | 4.  | MOULDING, THOMAS .. ..   | Surveyor's Office, Egremont.   |
| 1877 May          | 1.  | MOULLIN, ARTHUR DANIEL .. ..   | Firmain, Parkstone, Dorset.  |
| 1894 Feb.         | 6.  | * MOUNT, JOHN CHAPMAN .. ..  | Town Hall, Lancaster.  |
| 1893 Jan.         | 10. | MOUNTAIN, ARTHUR HENRY .. ..   | Withington, near Manchester.   |
| 1877 Mar.         | 6.  | * MOYLE, SAMUEL .. ..  | 33 Great George Street, S.W.   |
| 1891 Dec.         | 1.  | MUDIE, JAMES ROBERT .. ..  | P.W.D., Hong Kong.   |
| 1889 Feb.         | 5.  | * MUIR, EDWARD LESLIE ROBERT .. ..                                   | Eng.'s Office, Midland Ry., Derby.   |
| 1897 Dec.         | 7.  | MUIR, JOHN .. ..   | P.W.D., Perth, Western Australia.  |
| 1896 Feb.         | 4.  | MUIRHEAD, WILLIAM .. ..  | Cloverhill, Knightswood, Glasgow.  |
| 1896 Dec.         | 1.  | { MÜLLER, HENRY ARTHUR CAS-<br>PERSZ .. .. }                         | P.W.D., Kengtung, Burma.   |
| 1890 Dec.         | 2.  | MÜLLER, JOHAN VIGGO SIGVALD .. ..                                    | Newquay, Cornwall.   |
| 1886 Feb.         | 2.  | * MULLIGAN, THOMAS NORTH .. ..                                       | 1 Vico Terrace, Dalkey, co. Dubli.   |
| 1885 Feb.         | 3.  | MUMFORD, ARTHUR GEORGE .. ..   | Colchester.  |
| 1885 May          | 19. | MUNCE, JAMES .. ..   | City Surveyor's Office, Belfast. [S.W.]  |
| m 1872 May        | 7.  | * MUNDAY, HENRY THOMAS .. ..   | County Council, Spring Gardens, Donald Currie & Co., 137 West George St., Glasgow. |
| 1890 Dec.         | 2.  | MUNN, ROBERT ANDREW .. ..  | {  |
| 1894 Jan.         | 9.  | { MUNRO, JOHN MACINTOSH ..<br>MACKAY .. .. }                         | 136 Bothwell Street, Glasgow.  |
| 1894 Dec.         | 4.  | MURAKAMI, KIYOICHI .. ..   | { 14 Wakamatsu-cho, Kitaku, Osaka, Japan.  |
| 1892 Mar.         | 1.  | MURCOTT, DANIEL .. ..  | Florence St., W. Perth, W. Australia.  |
| 1867 May          | 7.  | MURDOCH, GEORGE BROWN .. ..  | Attonrig, Ferry Rd. West, Edinburgh.   |
| 1889 Dec.         | 3.  | MURGATROYD, SAMUEL LEES .. ..  | Great Central Ry., Retford, Notts.   |
| 1871 Dec.         | 5.  | MURPHY, PHILIP EDWARD .. ..  | 210 High Rd., South Tottenham, N.  |
| 1890 Jan.         | 14. | * MURRAY, CHARLES .. ..  | Box 1429, Johannesburg, Transvaal.   |
| 1895 Jan.         | 8.  | * MURRAY, GEORGE THOMAS .. ..  | Survey Dept., Wanganui, N.Z.   |
| 1883 Feb.         | 6.  | MURRAY, JOHN .. ..   | Curitiba, Parana, Brazil. [St., E.C.]  |
| 1890 Apr.         | 1.  | MURRAY, STEWART BINNY .. ..  | c.o. Parry & Co., 70 Gracechurch   |
| 1886 Dec.         | 7.  | * MUSGRAVE, JAMES .. ..  | { Rosario Ry., Avenida de Mayo 748, Buenos Aires.                                  |
| 1896 Dec.         | 1.  | MUSKER, ARTHUR .. ..   | Dundas Street, Bootle, Liverpool.  |
| 1896 Dec.         | 1.  | MUSKER, CHARLES .. ..  | Dundas Street, Bootle, Liverpool.  |
| 1881 May          | 3.  | MYALL, AMBROSE AUGUSTUS .. ..  | { 2 Lancaster Place, W.C. (Ipra, London.)  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|                |  |  |
|----------------|--|--|
| 1896 Dec. 1.   | *MYBURGH, HENRY HAWKINS..                    | Fairholme, Wynberg, nr. Cape Town.                   |
| 1887 Mar. 1.   | MYLNE, HENRY CHARLES ..                      | 4 Queensborough Terrace, W.                          |
| 1890 Mar. 4.   | MYRES, JOHN JAMES .. ..                      | 15 Chapel Street, Preston.                           |
| 1891 Mar. 3.   | *NAPIER, ARCHIBALD SCOTT ..                  | King, King & Co., Bombay.                            |
| 1888 Jan. 10.  | {*NAPIER, Hon. EDWARD HERBERT SCOTT .. .. .} | Hampton Court Palace.                                |
| 1887 Dec. 6.   | {NASH, ALFRED GEORGE, B.Sc. (Edin.) .. .. .} | {Greenvale House, Mile Gully P.O., Jamaica.          |
| 1895 Mar. 5.   | NASH, RICHARD WILKINSON ..                   | 9 Bridge St., Westminster, S.W.                      |
| 1893 Dec. 5.   | NATH, BISHAMBAR .. .. .                      | P.W.D., Punjab.                                      |
| 1884 May 27.   | NATHAN, BENJAMIN ARTHUR..                    | 4 Bentiuck St., Manchester Square, W.                |
| 1893 Dec. 5.   | *NATHAN, FRANK EDWARD BERRA                  | 20 Bucklersbury, E.C.                                |
| ✱ 1892 Dec. 6. | NAYLOR, WILLIAM .. .. .                      | 16 Walton's Parade, Preston.                         |
| 1878 Feb. 5.   | *NEAL, HERBERT .. .. .                       | The Hill, Laverstock, Salisbury.                     |
| 1889 Jan. 8.   | NEALL, FRANK FEARNE .. ..                    | {c.o. Mrs. Neall, 88 Lower Addiscombe Road, Croydon. |
| 1898 Jan. 11.  | {NEELY, ALEXANDER JAMES, B.A.I. (Dublin)}    | Watson & Co., Calcutta.                              |
| 1895 Dec. 3.   | *NELSON, GEORGE .. .. .                      | Russell Chambers, King St., S. Shields.              |
| 1885 May 5.    | NELSON, HENRY .. .. .                        | Bulandshahr, N.W.P., India.                          |
| 1896 Jan. 14.  | NETO, JOSEPH GOMES .. ..                     | {12 Rua Barao de Victoria, Pernambuco.               |
| 1891 May 5.    | NETTLETON, HUGH .. .. .                      | Town Hall, Weston-super-Mare.                        |
| 1888 Dec. 4.   | *NEVILL, PERCY .. .. .                       | Harbour Works, Douglas, I. of Man.                   |
| 1891 May 12.   | NEVINS, HUBERT PENROSE ..                    | Water Dept., Melbourne, Victoria.                    |
| 1894 May 22.   | NEWBIGGING, JOHN GIBSON ..                   | Gasworks, Macclesfield.                              |
| 1894 Jan. 9.   | NEWBIGGING, WILLIAM .. ..                    | 5 Norfolk Street, Manchester.                        |
| 1889 Feb. 5.   | *NEWELL, THOMAS MONK ..                      | Dock Office, Hull.                                   |
| 1894 May 22.   | NEWINGTON, FRANK ALFRED ..                   | 5 Atholl Crescent, Edinburgh.                        |
| 1895 Dec. 3.   | NEWLANDS, ALEXANDER .. ..                    | Highland Ry., Plockton, N.B.                         |
| ✱ 1874 May 12. | *NEWMAN, JOHN .. .. .                        | 2 Logan Villas, Bath Rd., Hounslow.                  |
| 1890 May 6.    | NEWMAN, JOHN THOMAS ..                       | 151 Clifton Road, Rugby.                             |
| 1893 May 16.   | *NEWMAN, REGINALD WILLIAM                    | Cross Gates, Penybont, Rad.s.                        |
| 1891 May 5.    | *NEWMARCH, HERBERT SMALES                    | 36 Great George Street, S.W.                         |
| 1892 Feb. 2.   | *NEWMARCH, LEONARD JOHN ..                   | Govt. Rys., Tientsin, China.                         |
| 1891 Dec. 1.   | NEWSON, FREDERIC WALTER..                    | St. Mary's, Coddendam, Suffolk.                      |
| 1893 May 2.    | NEWTON, ARTHUR EDGAR ..                      | {Roads & Bridges Dept., Coonamble, N.S.W.            |
| 1894 Feb. 6.   | {*NEWTON, CHARLES BUTTERWORTH .. .. .}       | Gas and Waterworks, Carlisle.                        |
| 1871 May 23.   | NEWTON, JOSEPH .. .. .                       | 201 Norwood Road, Herne Hill, S.E.                   |
| 1868 May 5.    | NEWTON, SAMUEL BARTON ..                     | Bhowalee, Naini Tal, N.W.P., India.                  |
| 1887 May 24.   | NEWTON, WILLIAM JOSEPH ..                    | Boro' Surveyor, Accrington.                          |
| 1877 Feb. 6.   | NICE, ALFRED SLATER .. ..                    | Carlton Hall, nr. Newmarket.                         |
| 1888 Feb. 7.   | *NICHOLL, ARTHUR EDWARD ..                   | The Rectory, Streatham, S.W.                         |
| 1896 Dec. 1.   | *NICHOLL, JOHN CLARIDGE ..                   | 11 Shaw Rd., Heaton Chapel, Lancs.                   |
| 1896 Dec. 1.   | NICHOLLS, JOHN SAMUEL ..                     | 76 Telford Road, Inverness.                          |
| 1890 Dec. 2.   | *NICHOLS, ALBERT EDWARD ..                   | Boro' Eng.'s Office, Leeds.                          |
| 1886 Dec. 7.   | NICHOLS, HARRY BERTRAM ..                    | {Grosvenor Chambers, Corporation Street, Birmingham. |
| 1888 Apr. 10.  | *NICHOLSON, GEORGE TAYLOR ..                 | Table Bay Harbour, Cape Town, C.C.                   |
| 1897 Apr. 6.   | NICHOLSON, JOHN RUMNEY ..                    | Railway and Docks, Port Talbot.                      |
| 1890 Dec. 1.   | NICHOLSON, WALTER SERY ..                    | 30 Great George Street, S.W.                         |
| 1887 May 3.    | NICOL, ROBERT GORDON ..                      | Harbour Eng.'s Office, Aberdeen.                     |
| 1893 Dec. 5.   | *NICOLLS, ARTHUR OLIVER ..                   | P.W.D., Cue, Western Australia.                      |
| 1897 Jan. 12.  | {*NICOLLS, EDWARD HUGH DYNELEY .. .. .}      | P.W.D., Cyprus.                                      |
| 1896 Dec. 1.   | NIMMO, WILLIAM HENRY ..                      | Town Hall, Melbourne, Victoria.                      |
| 1888 Dec. 4.   | NISBET, THOMAS .. .. .                       | Public Works Office, Glasgow [S.E.                   |
| 1897 Apr. 6.   | NIXON, FREDERICK ALBERT ..                   | 3 Grove Hill Road, Denmark Park.                     |

| Date of Election. |     | ASSOCIATE MEMBERS.                              |  |
|-------------------|-----|---|--|
| 1872 Dec.         | 3.  | *NOAD, WELLESLEY INNES .. ..                    | District Eng., De Aar, Cape Colony.                              |
| 1888 Jan.         | 10. | NORDENFELT, PETER .. ..                         | Rue Auber 8, Paris.  |
| 1886 Apr.         | 6.  | NORMAN, WALTER .. ..                            | Vulcan Foundry, Newton-le-Willows.                               |
| 1881 Apr.         | 5.  | NORMANVILLE, WILLIAM DE ..                      | Boro' Engineer, Leamington.                                      |
| 1890 Dec.         | 2.  | NORRINGTON, JAMES PALMER ..                     | Vestry Hall, Kennington Green, S.E.                              |
| 1897 Apr.         | 6.  | NORRIS, WILLIAM .. ..                           | Coulthard & Co., Preston.  |
| 1885 Feb.         | 3.  | *NORTH, JOHN .. ..                              | Oakley House, Eye, Suffolk.                                      |
| 1892 May          | 3.  | *NORTH, MAJORIBANKS KEPPEL                      | P.W.D., Georgetown, British Guiana.                              |
| 1897 Dec.         | 7.  | NORTHCROFT, GEORGE ANDREW                       | Bloemfontein, Orange Free State.                                 |
| 1894 Dec.         | 4.  | *NORTON, ARTHUR .. ..                           | { 72 Carlyle Road, Edgbaston, Birmingham. [chester.              |
| 1892 Dec.         | 6.  | *NORTON, WILLIAM BARRON ..                      | 55 Flixton Road, Urmston, Man.                                   |
| 1894 Jan.         | 9.  | *NOWLAN, JOHN .. ..                             | { Abercorn, Bolingbroke Grove, Wandsworth Common, S.W.           |
| 1893 May          | 2.  | { NOWROJI, HORMUSJI, B.E. (Madras) .. .. }      | Asst. Sanitary Eng. to Govt., Madras.                            |
| 1876 Feb.         | 1.  | NUBAR, H. E. BOGHOS, <i>Pasha</i>               | State Railways, Cairo, Egypt.                                    |
| 1887 May          | 24. | *NUNN, FRANCIS CRUMPTON ..                      | Eastnor, Sydenham Hill, S.E.                                     |
| 1896 May          | 19. | NUTTALL, EDMUND .. ..                           | { The Ash, Seymour Grove, Manchester.                            |
| 1872 May          | 7.  | NUTTALL, THOMAS .. ..                           | 20 Market Street, Bury, Lancashire.                              |
| 1897 Mar.         | 2.  | *NYE, ARTHUR WILLIAM .. ..                      | Netherfield, Shortlands, Kent. [land.                            |
| 1888 Apr.         | 10. | *NYE, WILLIAM THOMAS .. ..                      | Gasworks, Rockhampton, Queens-                                   |
| 1885 May          | 5.  | { OAKES, Sir REGINALD LOUIS, Bart. .. .. }      | { Soc. Anonyme La Métallurgique, 1 Place de Louvain, Brussels.   |
| 1887 May          | 3.  | { *OAKLEY, ALGERNON SEYMOUR BERNARD .. .. }     | Barrington Grove, Burford, Oxon.                                 |
| 1896 Feb.         | 4.  | *OAKLEY, ERNEST JOHN .. ..                      | { India General Steam Navigation Co., Chandpur, Tipperah, India. |
| 1894 Dec.         | 4.  | OAKLEY, RICHARD NEWCOME ..                      | Mocambique Co., Beira, East Africa.                              |
| 1892 Apr.         | 5.  | O'CONNOR, HENRY .. ..                           | Milne & Son, Milton House Works,                                 |
| 1880 May          | 25. | *ODDIE, HENRY JAMES .. ..                       | Aston, Stevenage, Herts. [Edinburgh.                             |
| 1873 Mar.         | 4.  | *ODLING, FRANCIS JAMES .. ..                    | Box 314, G.P.O., Melbourne, Victoria.                            |
| 1894 Dec.         | 4.  | O'DONNELL, JAMES IGNATIUS ..                    | Glencar, Eglinton Road, Dublin.                                  |
| 1887 Mar.         | 1.  | O'DRISCOLL, FLORENCE .. ..                      | 15 Victoria Street, S.W.   |
| 1889 Jan.         | 8.  | *OERTEL, FRED. OSCAR .. ..                      | Allahabad, India.  |
| 1886 Jan.         | 12. | *OGLIVIE, GEORGE TOD .. ..                      | Pension Antonio, Helouan, nr. Cairo.                             |
| 1880 Dec.         | 7.  | { *OGLIVIE, ROBERT CHARLES FREDERICK .. .. }    | { Waveney, Upper Long Ditton, Surrey.                            |
| 1859 Jan.         | 11. | OHREN, MAGNUS .. ..                             | 4 Garlies Road, Forest Hill, S.E.                                |
| 1892 Dec.         | 6.  | OKE, FRANCIS ROBERT .. ..                       | 5 Coppenhall Terrace, Crewe.                                     |
| 1865 Apr.         | 4.  | OKES, JOHN CHARLES RAYMOND                      | { 63 Queen Victoria Street, E.C. (Oak-tree, London.)             |
| 1894 Dec.         | 4.  | OKURA, KUMEMA .. ..                             | Okura & Co., Ginza, Tokio, Japan.                                |
| 1887 Dec.         | 6.  | *OLD, TRENIAN .. ..                             | Bay Rd., St. Leonards, Sydney, N.S.W.                            |
| 1895 Dec.         | 3.  | OLDHAM, RICHARD SOULBY ..                       | 67 Mansel Terrace, Swansea.                                      |
| 1894 Dec.         | 4.  | { OLIVE, LEONTINE WALLACE, M.A. (Oxon.) .. .. } | Ficksburg, Orange Free State.                                    |
| 1894 Dec.         | 4.  | OLIVEIRA, MANOEL DA SILVA ..                    | { E. de F. Central, 160 Rua Goyar, Rio de Janeiro.               |
| 1893 Dec.         | 5.  | OLIVER, ALFRED MARK .. ..                       | Rua D. Castorina 42, Rio de Janeiro.                             |
| 1880 Dec.         | 3.  | { OLIVER, CHARLES DEANE, B.A.I. (Dubl.) .. .. } | { Congested Districts Board, 23 Rutland Square, Dublin.          |
| 1893 May          | 2.  | OLIVER, GILBERT THOMAS INGLIS                   | Granton House, Goodrich-on-Wye,                                  |
| 1881 Dec.         | 6.  | OLIVER, ROBERT STEWART ..                       | 19 Ness Bank, Inverness. [Ross.                                  |
| 1865 Apr.         | 4.  | OLIVER, THOMAS .. ..                            | Horsham.   |
| 1895 Apr.         | 2.  | *OLLEY, CHARLES HENRY ..                        | { Cork, Blackrock & Passage Railway, Monkstown, co. Cork.        |
| 1885 Apr.         | 14. | OLLIS, WILLIAM BAKER .. ..                      | 151 Station St., Burton-on-Trent.                                |
| 1881 Dec.         | 6.  | OLSEN, HANS BLOM .. ..                          | { Havnedirektørens Kontor, Christiania.                          |

Date of  
Election.

## ASSOCIATE MEMBERS.

|               |  |  |
|---------------|--|--|
| 1881 Feb. 5.  | *O'NEILL, WILLIAM PURCELL..                            | M. G. W. Ry., Broadstone, Dublin.                                  |
| 1864 Mar. 1.  | ONSLow, DOUGLAS ARTHUR ..                              | 5 Upper Richmond Rd., Putney, S.W.                                 |
| 1893 Mar. 7.  | OPENSHAW, JAMES .. ..                                  | Boro' Engineer's Office, Salford.                                  |
| 1890 Apr. 1.  | ORDISH, OWEN .. ..                                     | { A. R. Debnam, Mt. Pleasant, Ply-<br>mouth.                       |
| 1892 Mar. 1.  | *O'REILLY, FRANCIS JOSEPH ..                           | Point Ellice, Victoria, B. Columbia.                               |
| 1894 Dec. 4.  | *ORFORD, HENRY JAMES ..                                | 19 Railway Avenue, Maradana, Ceylon.                               |
| 1892 Dec. 6.  | ORMEROD, GEORGE HOLT ..                                | { Assam-Bengal Railway, Gauhati,<br>Assam.                         |
| 1885 Feb. 3.  | *ORMEROD, RICHARD OLIVER ..                            | 35 Philbeach Gardens, S.W.   |
| 1890 Mar. 4.  | ORR, ADOLPHE ERNEST ..                                 | P.W.D., Lahore, Punjab.  |
| 1889 Dec. 3.  | ORR, HENRY ADAIR ..                                    | Pemberley, Bedford. [Merthyr.                                      |
| 1887 Dec. 6.  | ORTON, FREDERICK ..                                    | Cantref' Reservoir, Cwm Taff Fawr.                                 |
| 1890 Dec. 2.  | *OSBORN, ASHBY FREDERICK ..                            | Roads Office, Cowra, N.S.W. [U.S.                                  |
| 1891 Apr. 7.  | OSBORN, FRANK CHITTENDEN                               | Osborn Building, Cleveland, Ohio.                                  |
| 1894 May 22.  | O'SHAUGHNESSY, RICHARD GORMAN                          | Kinlau Canal, Bagan Serai, Perak, S.S.                             |
| 1891 May 5.   | OSMAN, CHARLES WILLIAM ..                              | { S. E. Ry., Eng.'s Office, London<br>Bridge, S.E. [S.W.           |
| 1887 Dec. 6.  | *OSMOND, WILLIAM .. ..                                 | 8 Wetherby Gardens, Kensington,                                    |
| 1896 Feb. 4.  | O'SULLIVAN, JOHN GABRIEL ..                            | { Municipal Buildings, Cork Hill,<br>Dublin.                       |
| 1892 Dec. 6.  | *OSWELL, FRANK .. ..                                   | Port Dinorwic, North Wales.  |
| 1887 Dec. 6.  | OTAGAWA, MASAYUKI ..                                   | Ashio Mine, Shimotsuke, Japan.                                     |
| 1885 Apr. 14. | OUGH, HENRY .. ..                                      | 84 St. Paul's Churchyard, E.C.                                     |
| 1890 Dec. 2.  | *OUGHTERSON, ARTHUR ..                                 | { Ferflex Tube Co., Bridgewater<br>Street, Salford.                |
| 1898 Apr. 5.  | OUTRAM, FRANCIS DAVIDSON ..                            | 28 Victoria Street, S.W.   |
| 1885 Dec. 1.  | *OVERTON, FRANK .. ..                                  | 99 Upper Addiscombe Rd., Croydon.                                  |
| 1894 Dec. 4.  | OWEN, FRANK .. ..                                      | { C. H. de Lemos, Ciudad Bolivar,<br>Venezuela.                    |
| 1875 Apr. 6.  | *OWEN, JOHN ARTHUR ..                                  | Engineer's Office, Trinity House, E.C.                             |
| 1868 Jan. 14. | OWEN, THOMAS ELLIS ..                                  | 104 Midland Road, Bedford.   |
| 1887 Dec. 6.  | OWEN, WILLIAM LAMBDEN ..                               | { Menzies, N. Coolgardie Goldfield,<br>Western Australia.          |
| 1874 May 12.  | OWER, CHARLES .. ..                                    | 104 Commercial Street, Dundee.                                     |
| 1896 Dec. 1.  | OWLES, ARTHUR HATSELL ..                               | Admiralty Harbour, Dover.  |
| 1887 Apr. 5.  | *OXToby, WILLIAM .. ..                                 | Vestry Hall, Camberwell, S.E.                                      |
| 1891 Dec. 1.  | *PADDON, ARTHUR MATTHEWS                               | 9 Victoria Street, S.W.  |
| 1888 Apr. 10. | *PADDON, JOHN FALKNER ..                               | Gas Co., Hove, Brighton.   |
| 1887 Apr. 5.  | *PAGE, EDWARD HENRY ..                                 | 11 Castle Street, Cardiff.   |
| 1894 Jan. 9.  | *PAGE, FRANK WATTS ..                                  | 14 St. Ann's Square, Manchester.                                   |
| 1894 Jan. 9.  | *PAGE, SYDNEY ELLIOTT ..                               | 18 New Bridge St., Blackfriars, E.C.                               |
| 1886 Dec. 7.  | PALLANT, THOMAS ..                                     | Casma, Manor Road, Teddington.                                     |
| 1884 Dec. 2.  | { *PALMER, CHARLES STUART RUS-<br>SELL .. ..           | { Ontram Street, Perth, Western Aus-<br>tralia.                    |
| 1890 Apr. 1.  | PALMER, FREDERICK ..                                   | E.I. Ry., Dehri Bridge, Bengal.                                    |
| 1886 Jan. 12. | *PALMER, THOMAS CASSINET ..                            | 98 Commercial Road East, E.  |
| 1895 Dec. 3.  | PARDOE, JOSEPH CHARLES ..                              | The Parade, Barry, Cardiff.  |
| 1887 May 24.  | PARK, CHARLES ARCHIBALD ..                             | Wolverton, Bucks.  |
| 1893 Dec. 5.  | { PARK, JAMES HARVEY WIL-<br>LIAMSON, B.Sc. (Edin.) .. | { 6 Colonial Avenue, Minorics, E.                                  |
| 1889 Dec. 3.  | PARKER, EDWARD LEONARD ..                              | BowSt., Charters Towers, Queensland.                               |
| 1883 May 29.  | PARKER, HENRY .. ..                                    | P. W. D., Vilankulam, Ceylon.                                      |
| 1890 Dec. 2.  | { *PARKER, JAMES ALEXANDER,<br>B.Sc. (Glas.) .. ..     | { S.E. Railway, 22 Abingdon Street,<br>Westminster, S.W.           |
| 1887 Mar. 1.  | PARKER, JOHN .. ..                                     | City Surveyor, Hereford.   |
| 1887 May 24.  | PARKER, JOHN .. ..                                     | { 16 Long Row, Nottingham. (Pipes,<br>Nottingham. 1361.)           |
| 1886 Dec. 7.  | PARKER, JOHN EDWARD ..                                 | { Post Office Chambers, St. Nicholas<br>Square, Newcastle-on-Tyne. |



|     | Date of Election. | ASSOCIATE MEMBERS.                              |  |
|-----|-------------------|---|--|
|     | 1896 Dec. 1.      | PARKER, SYDNEY HYDE .. ..                       | Dibru-Sadiya Ry., Assam.   |
|     | 1884 Feb. 5.      | *PARKES, HENRY .. ..                            | {c.o. Bower, Parkes & Lawford, 52<br>Lincoln's Inn Fields, W.C.    |
|     | 1873 Apr. 1.      | *PARKES, THOMAS FARMER ..                       | Lambeth Waterworks, Brixton, S.W.                                  |
|     | 1888 Feb. 7.      | {*PARKHOUSE, ALFRED WILLIAM<br>LONG .. .. .}    | 61 Arbutnot Road, Nunhead, S.E.                                    |
|     | 1891 Mar. 3.      | PARKIN, FREDERIC WILLIAM ..                     | Naylor Bros., Ashbourne, Derbyshire.                               |
| m ✚ | 1889 May 7.       | *PARKIN, JOHN HENRY .. ..                       | Waterworks, Fisher Tarn, Kendal.                                   |
|     | 1892 Apr. 5.      | *PARKIN, JOHN ROBERT .. ..                      | Idridgehay, near Derby.  |
| m   | 1886 Apr. 6.      | {*PARKINSON, HENRY HOLLIN-<br>WORTH .. .. .}    | Charnwood, Crown Lane, Streatham<br>Common, S.W.                   |
|     | 1884 Apr. 1.      | {PARKINSON, HENRY WATER-<br>WORTH .. .. .}      | Ry. Dept., Brisbane, Queensland.                                   |
|     | 1889 Feb. 5.      | PARKINSON, JAMES .. ..                          | 50 Station Road, Turton, Bolton.                                   |
| m ✚ | 1882 May 2.       | *PARKINSON, RICHARD MARION                      | 93 Lincoln Road, Peterborough.                                     |
|     | 1893 Dec. 5.      | {*PARKMAN, PHILIP GEORGE<br>WILLIAM .. .. .}    | Town Hall, Hounslow.   |
|     | 1892 Dec. 6.      | PARLETT, GODFREY BERNARD                        | {A. Dickinson & Co., 120 Colmore<br>Row, Birmingham.               |
|     | 1894 Dec. 4.      | PARR, FRANCIS .. ..                             | Town Hall, Bridgwater, Somerset.                                   |
|     | 1879 Dec. 2.      | *PARRY, JOSEPH WILLIAM ..                       | 59 St. John's Street, Oxford.                                      |
|     | 1892 Apr. 5.      | *PARRY, RICHARD .. ..                           | 27 Great George Street, S.W.                                       |
|     | 1894 Jan. 9.      | {PARRY, W. KAYE,<br>M.A., B.A.I. (Dubl.) .. ..} | 35 Dame Street, Dublin. (Parry,<br>Dublin, 808.)                   |
|     | 1879 May 27.      | PARSICK, EDMUND ALBERT, B.E.                    | Municipal Engineer, Howrah, India.                                 |
|     | 1888 Jan. 10.     | PARSONS, HERBERT JOSIAH ..                      | Grindlay & Co., Calcutta.  |
|     | 1885 Dec. 1.      | PARTINGTON, THOMAS .. ..                        | Rhayader, Rads.  |
|     | 1894 May 22.      | PARTRIDGE, GERALD WILLIAM                       | 25A Cockspur St., Pall Mall, S.W.                                  |
|     | 1886 Apr. 6.      | *PARTRIDGE, GODFREY BOWEN                       | {c.o. Surgeon General Partridge,<br>40 Thicket Road, Anerley, S.E. |
|     | 1892 Feb. 2.      | PASSOS, ALEXANDRE PORTELLA                      | M. F. Gonsalvez, Bahia, Brazil.                                    |
|     | 1897 Apr. 6.      | PATCH, ALFRED .. ..                             | Newplace, Tiverton, Devon.   |
|     | 1889 Mar. 5.      | PATCHELL, WILLIAM HENRY ..                      | 12 Maiden Lane, Covent Garden, W.C.                                |
|     | 1890 Dec. 2.      | PATERSON, JAMES DONALD ..                       | 57 Warwick Road, Ealing, W.  |
|     | 1879 Dec. 2.      | PATERSON, JOHN .. ..                            | Fort William, N.B.   |
|     | 1893 Jan. 10.     | PATERSON, MATTHEW .. ..                         | 65 Bath Street, Glasgow.   |
|     | 1892 Jan. 12.     | PATERSON, WALTER SAUNDERS                       | {c/o Wallace Brothers, 8 Austin<br>Friars, E.C.                    |
|     | 1887 Mar. 1.      | *PATON, JOHN .. ..                              | 299 Shields Road, Glasgow.   |
|     | 1867 Dec. 3.      | PATTERSON, EDWARD CHARLES                       | 103 Church Rd., Upper Norwood, S.E.                                |
|     | 1896 Dec. 1.      | PATTERSON, HERBERT CECIL ..                     | Jessop & Co., Calcutta.  |
|     | 1897 Apr. 6.      | PATTESON, WALTER .. ..                          | {Albert Chambers, Albert Square,<br>Manchester.                    |
|     | 1885 Dec. 1.      | PATTINSON, JOHN SHIELD ..                       | Fawcett, Preston & Co., Liverpool.                                 |
|     | 1875 Feb. 2.      | PATTISON, FREDERICK .. ..                       | 8 Gray's Inn Square, W.C.  |
|     | 1885 May 5.       | PATRICK, CHARLES BEAUFOY                        | Box 1179, Johannesburg, Transvaal.                                 |
|     | 1887 Dec. 6.      | PATL, ANDREW LOUIS .. ..                        |  |
|     | 1890 Mar. 4.      | *PAULING, HAROLD WILLIAM                        | Mafeking, Cape Colony. [Norwood.                                   |
|     | 1889 Dec. 3.      | *PAWLEY, FRANCIS ADOLPHUS ..                    | Sylvan Mount, Sylvan Road, Upper<br>Selangore, S.S.                |
|     | 1892 Dec. 6.      | *PAXON, HAROLD CHARLES ..                       |  |
|     | 1897 Apr. 6.      | PAYNE, EDMOND WILLIAM ..                        | M. T. Shaw & Co., 81 Cannon St., E.C.                              |
|     | 1894 Dec. 4.      | PAYNE, PERCY MARRIOTT ..                        | Holmesdale, The Park, Nottingham.                                  |
|     | 1886 Feb. 2.      | PEACE, ALFRED LINDLEY ..                        | Thorne, Doncaster.   |
|     | 1880 May 4.       | PEACHE, JAMES COURTHOPE ..                      | 87 East Hill, Colchester.  |
|     | 1891 Jan. 13.     | *PEAKE, ROBERT EDWARD ..                        | 4 Great Winchester Street, E.C.                                    |
|     | 1890 Dec. 2.      | *PEACE, ALFRED .. ..                            | Park Villa, Tongwynlais, Cardiff.                                  |
|     | 1895 Dec. 3.      | PEARSE, ALEXANDER FRANCIS                       | P.W.D., Eng. Surveys, Perth, W.                                    |
|     | 1885 Feb. 3.      | PEARSON, ALFRED .. ..                           | Dukinfield. [Australia.  |
|     | 1893 Feb. 7.      | PEARSON, JAMES MONTGOMERIE                      | 5 John Dickie St., Kilmarnock, N.B.                                |
|     | 1896 Apr. 14.     | PECK, HERBERT EDGAR ..                          | {Grand Junction Waterworks,<br>65 South Molton Street, W.          |
|     | 1884 Jan. 8.      | *PEDLEY, WILLIAM EVERARD ..                     | South Riverside, California, U.S.                                  |
|     | 1876 Mar. 7.      | PEEL, WILLIAM .. ..                             | Knowlmore Manor, Clitheroe.  |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                    |   |  |
|--------------------|---|--|
| 1890 Dec. 2.       | *PEGG, HENRY VILLIERS .. ..   | The Drift, Ranelagh Rd., Ipswich.                                  |
| 1873 Feb. 4.       | PEGGS, JAMES WALLACE .. ..  | { Southbourne Lodge, Christchurch,<br>Hants.                       |
| 1896 May 19.       | PEIRCE, ARTHUR .. ..  | Ast. Eng., Corporation, Calcutta.                                  |
| 1889 Feb. 5.       | *PEIRCE, ROBERT .. ..   | { W. Boulton, Croft House, Roose,<br>Barrow-in-Furness.            |
| 1887 Apr. 5.       | *PELLEREAU, HENRY ETIENNE ..  | { Springfield House, Stockbridge,<br>Hants.                        |
| 1873 Dec. 2.       | PEÑA, MANUEL HIPOLITO .. ..   | 354 Calle 11, Bogota, U.S. Colombia.                               |
| 1878 Mar. 5.       | *PEÑA, URBANO JOSÉ DE LA ..   | 3 Recoletos, Madrid.   |
| 1884 Feb. 5.       | *PENLINGTON, CHARLES BERKELEY ..                                    | Apartado 82, Bilbao, Spain.  |
| 1886 Jan. 12.      | PENMAN, WILLIAM .. ..   | 25 Frederick Street, Edinburgh.                                    |
| 1890 Jan. 14.      | *PENN, HARRY .. ..  | 40 Harold Rd., Upper Norwood, S.E.                                 |
| 1887 Jan. 11.      | *PENNY, ARTHUR ROBERT .. ..   | { D. Henderson, 164 Calle No. 3, Villa<br>Catalinas, Buenos Aires. |
| 1880 Dec. 7.       | *PENNY, SEPTIMUS .. ..  | Grosvenor House, Uxbridge.   |
| 1888 Dec. 4.       | *PERCEVAL, RICHARD DOUGLAS ..                                       | Dillon House, Downpatrick, co. Down                                |
| 1892 Dec. 6.       | PERHAM, THOMAS .. ..  | Marine Dept., Wellington, N.Z.                                     |
| 1885 Jan. 13.      | *PERKINS, HUGH FREDERICK ..   | 41 Half Edge Lane, Eccles, Man-                                    |
| 1892 Dec. 6.       | PERKINS, JOHN EDWARD SHARMAN ..                                     | Park Road, Peterborough. [Chester.                                 |
| 1898 Apr. 5.       | PERKINS, THOMAS LUFF .. ..  | 14 Cotham Vale, Redland, Bristol.                                  |
| 1874 May 5.        | PERRETT, EDWARD .. ..   | 27 Balham Park Road, S.W.  |
| 1889 Feb. 5.       | *PERROT, SAMUEL DE .. ..  | Neuchâtel, Switzerland.  |
| 1895 Feb. 5.       | { PERROTT, WILLIAM GEORGE,<br>B.E. (Royal) .. ..                    | { Ardilaun, Clontarf, co. Dublin.                                  |
| 1889 Dec. 3.       | PERRY, ARNOLD HENRY .. ..   | P.W.D., Cairo, Egypt.  |
| 1881 Feb. 1.       | { PERRY, Professor JOHN, M.E.<br>(Queen's), D.Sc. (Royal), F.R.S. } | { Royal College of Science, South<br>Kensington, S.W.              |
| † 1886 Dec. 7.     | PERRY, THOMAS HOLMES .. ..  | Edgmond Hall, Newport, Salop.                                      |
| 1895 Dec. 3.       | PERRY, GERRARD HATFIELD ..  | Ellerslie, Cranbrook, Kent.  |
| 1895 Feb. 5.       | PETERSEN, FREDERIK BENEDIKT ..                                      | Imperial Rys., Tientsin, China.                                    |
| 1894 Dec. 4.       | PETREE, MARSHALL .. ..  | Boro' Engineer, Great Grimsby.                                     |
| 1886 Apr. 6.       | { *PHELIPS, HENRY VIVIAN<br>MAJENDIE .. ..                          | { H. S. King & Co., 45 Pall Mall, S.W.                             |
| 1888 Dec. 4.       | PHILIP, WILLIAM MARSHALL ..   | Box 431, Johannesburg, Transvaal.                                  |
| 1885 Dec. 1.       | PHILLIMORE, JOSEPH .. ..  | Grindlay & Co., Parliament St., S.W.                               |
| 1888 Feb. 7.       | PHILLIPS, ARTHUR GAVED .. ..  | 11 Essex Villas, Phillimore Gardens.                               |
| 1894 Feb. 6.       | { PHILLIPS, CHARLES GEORGE<br>WASHINGTON .. ..                      | { South Square, Boston. [W.  |
| 1891 Feb. 3.       | { PHILLIPS, ERNEST ALFRED<br>WILLIAM .. ..                          | { P.W.D., Henzada, Burma.  |
| 1891 Dec. 1.       | *PHILLIPS, HERBERT .. ..  | Khushab, Shahpur, Punjab.  |
| 1887 Jan. 11.      | PHILLIPS, HERBERT ARTHUR ..   | 39 Victoria Street, S.W.   |
| 1894 Dec. 4.       | PHILLIPS, JOHN .. ..  | { Fundeion de las Delicias, Apartado<br>88, Mexico City.           |
| 1896 Dec. 1.       | PHILLIPS, ROBERT .. ..  | 9 Belgrave Road, Gloucester.                                       |
| 1895 Feb. 5.       | PHILLIPS, ROBERT EDWARD ..  | 70 Chancery Lane, W.C.   |
| 1897 Feb. 2.       | PHILLIPS, WILLIAM LLEWELYN ..                                       | 65 Pitt Street, Sydney, N.S.W.                                     |
| 1891 Jan. 13.      | PICKARD, ALFRED BARNES .. ..  | 5 Madeira Road, Streatham, S.W.                                    |
| 1891 Dec. 1.       | *PICKERING, JOSEPH SPIERS ..  | Council Offices, Nuneaton.   |
| 1897 Mar. 2.       | PICKERING, SAMUEL ALBERT ..   | Boro' Surveyor, Oldham.  |
| 1898 Jan. 11.      | PICKERING, WILLIAM TODD ..  | Great Central Ry., Brackley.                                       |
| 1895 Dec. 3.       | PICKLES, GEORGE HENRY .. ..   | Boro' Surveyor, Burnley.   |
| 1891 Feb. 3.       | PIDGEON, JOHN .. ..   | Ry. Dept., Perth, Western Australia.                               |
| 1896 Feb. 4.       | *PIERCE, HUGH, B.A. (Cantab.) ..                                    | 108 Edleston Road, Crewe.  |
| T t † 1886 Mar. 2. | { *PIERCE, JOSIAH, Jun.,<br>M.A. (Cantab.) .. ..                    | { 1325 Massachusetts Avenue, Wash-<br>ington, U.S.                 |
| 1891 Feb. 3.       | *PIGOTT, FRANCIS JOSEPH .. ..                                       | P.W.D., Colombo, Ceylon.   |
| 1894 Apr. 3.       | PILKINGTON, ARTHUR .. ..  | Madras Ry., Madras.  |
| 1895 Dec. 3.       | PILKINGTON, HERBERT .. ..   | Sheepbridge Ironworks, Chesterfield.                               |
| 1883 Feb. 6.       | *PILKINGTON, OLIVER STAINTON ..                                     | Bryn Cegin, Deganwy, Llandudno.                                    |
| 1881 Mar. 1.       | PILLOW, EDWARD .. ..  | Shirehall, Norwich.  |

| Date of Election.  |   | ASSOCIATE MEMBERS.   |   |
|--------------------|---|--|---|
| 1896 Feb. 4.       | * | PINCOMBE, WILLIAM EDWIN ..                                   | East Indian Ry., Calcutta.                                |
| 1880 Mar. 2.       | * | PINE, ARTHUR CHILLEY .. ..                                   | { Quintain House, Offham, Malling, Kent.                  |
| 1879 Feb. 4.       |   | PIPE, SAMUEL MATTHEW .. ..                                   | 13 West Pier, London Dock, E.                             |
| 1897 Feb. 2.       | * | PITTAR, GEORGE FRANCIS .. ..                                 | Red Lodge, Briar Walk, Putney, S.W.                       |
| m ✠ 1889 Dec. 3.   | * | PLATT, JOHN .. .. .  | { 97 Cedar Street, New York, U.S.<br>(Terneza, New York.) |
| 1892 Jan. 12.      |   | PLATTS, HENRY CHARLES .. ..                                  | New Russia Co., Hughesoffka, Russia.                      |
| 1895 Jan. 8.       |   | PLATTS, THEODORE SERGIUS ..                                  | Waterworks, Odessa, Russia.                               |
| 1896 Dec. 1.       |   | PLEDGE, MARTYN FENWICK DE                                    | Nitrate Ry., Iquique, Chili.                              |
| 1894 May 22.       |   | POLLITT, HARRY .. .. .                                       | Gt. Central Ry., Gorton, Manchester.                      |
| 1891 Dec. 1.       |   | POLLITT, ROBERT BARNABAS ..                                  | New Explosives Co., Stowmarket.                           |
| 1896 May 19.       | * | POLLOCK, JAMES, JUN. .. ..                                   | L. & Y. Ry., Eng.'s Office, Manchester.                   |
| 1897 Feb. 2.       | * | POLWHELE, JOHN ARCHIBALD {                                   | B. & N. W. Ry., Nandganj, N.W.P., India.                  |
| 1879 Dec. 2.       |   | PONSFORD, JAMES .. .. .                                      | Sir E. Zohrat, K.C.M.G., Cairo.                           |
| 1882 Dec. 5.       |   | PONT, GEORGE VICTOR .. ..                                    | Khagole, Patna District, India.                           |
| 1892 May 3.        |   | POOLE, EDWARD COOPER .. ..                                   | 2 Portland Street, Southampton.                           |
| 1887 May 3.        |   | POOLE, GEORGE THOMAS .. ..                                   | Perth, Western Australia.                                 |
| 1894 Dec. 4.       | * | POOLE, WILLIAM, JUN. .. ..                                   | 87 Pitt St., Redfern, Sydney, N.S.W.                      |
| 1893 Dec. 5.       | * | POOLEY, HUBERT .. .. .                                       | Gas Light Co., Dunfermline, N.B.                          |
| 1881 May 31.       | * | POPE, FRANCIS JOHN .. .. .                                   | { Mrs. Champneys, Borrowdale, Peuge, S.E.                 |
| 1889 Feb. 5.       |   | POPE, JOSEPH GORDON .. ..                                    | Hazeldene, Fitzgerald Road, Wanstead.                     |
| 1892 Dec. 6.       | * | POPE, THOMAS, JUN. .. ..                                     | Wytham, Maze Road, Kew.                                   |
| 1889 Dec. 3.       |   | POPKISS, EDWARD PETER .. ..                                  | { Eng.'s Dept., Govt. Rys. Cape Town, C.C. [Surbiton.     |
| 1882 Dec. 5.       |   | POPKISS, RICHARD .. .. .                                     | Langley House, Langley Avenue,                            |
| 1897 Mar. 2.       | { | { POPPLEWELL, WILLIAM CHARLES, }<br>M.Sc. (Victoria) .. .. . | Yorkshire College, Leeds.                                 |
| 1889 Feb. 5.       | * | PORTEOUS, GEORGE WILLIAM ..                                  | Rueda, Mataporquera, Palencia, Spain.                     |
| 1875 Apr. 6.       |   | PORTER, EDMUND VERNON .. ..                                  | 44 Manor Road, Beckenham.                                 |
| 1890 Dec. 2.       | * | PORTER, JAMES ROBERTSON ..                                   | 27 Waterloo Road, Newport, Mon.                           |
| 1887 May 24.       |   | PORTER, JOHN .. .. .   | R. Douse & Sons, Apollo St., Bombay.                      |
| 1896 Dec. 1.       | * | PORTSMOUTH, JOHN .. .. .                                     | Fisliguard Ry., Letterston, S. Wales.                     |
| 1888 Feb. 7.       |   | PORTUS, ALEXANDER BROWN ..                                   | Harbour Office, Sydney, N.S.W.                            |
| 1889 Dec. 3.       |   | POSTLE, JOHN DAVY .. .. .                                    | { 17 Arnddel Terrace, Glebe, Sydney, N.S.W.               |
| 1891 May 5.        |   | POTT, ARTHUR HENRY .. ..                                     | Savernake Lodge, Chelmsford.                              |
| 1891 May 12.       |   | POTTER, CHARLES WILLIAM ..                                   | { Irvington, Stratford Road, Twickenham.                  |
| 1887 Feb. 1.       | * | POTTER, THOMAS WILLIAM ..                                    | Withylands, St. John's Rd., Harrow.                       |
| 1876 Apr. 4.       | { | { POTTS, BENJAMIN LANGFORD }<br>FORSTER .. .. .              | 117 Camberwell Grove, S.E.                                |
| T t ✠ 1879 May 27. |   | POTTS, JOHN JAMES .. .. .                                    | Stranton Works, West Hartlepool.                          |
| 1867 May 21.       |   | POTTS, JOSEPH .. .. .  | { 1a Hamilton Terrace West, Partick, Glasgow.             |
| 1897 Feb. 2.       | { | { *POULDEN, GEORGE EDWARD }<br>LUTHER .. .. .                | 21 Caprera Terrace, North Road, Plymouth.                 |
| 1888 Dec. 4.       |   | POWELL, ARTHUR .. .. .                                       | 3 Unity Street, Bristol.                                  |
| 1881 May 3.        |   | POWELL, EDWARD .. .. .                                       | Millfield, Pontypridd.                                    |
| 1882 Feb. 7.       |   | POWELL, FRANK CHARLES .. ..                                  | { 50 Newcomen Terrace, Coatham, Redcar.                   |
| 1897 Feb. 2.       |   | POWELL, GILES HENRY .. ..                                    | 34 Vicarage St., Hollinwood, Oldham.                      |
| 1885 Dec. 1.       |   | POWELL, HENRY BOLLAND .. ..                                  | 19 Victoria Street, S.W.                                  |
| 1895 Dec. 3.       |   | POWELL, ROBERT ALBERT .. ..                                  | P.W.D., Colombo, Ceylon.                                  |
| 1887 Mar. 1.       | { | { POWER, JOHN MOORHEAD, }<br>B.A. (Cantab.) .. .. .          | British Consulate, Linares, Spain.                        |
| ✠ 1880 Dec. 7.     | { | { POWLES, HENRY HANDLEY }<br>PRIDHAM .. .. .                 | 152 Oakley Street, Chelsea, S.W.                          |
| ✠ 1894 Dec. 4.     | * | *POWNALL, JOHN .. .. .                                       | 150 Nassau Street, New York, U.S.                         |
| 1893 Dec. 5.       |   | PRADO, LEOPOLDO DE ABREU ..                                  | 41 Praia de Cajá, Rio de Janeiro.                         |

Date of  
Election.

## ASSOCIATE MEMBERS.

|       |               |   |  |
|-------|---------------|---|--|
|       | 1885 May 19.  | PRADO, MANOEL EUGENIO DO..                                    | { 30 Avenue de Rumine, Lausanne,<br>Switzerland.               |
|       | 1864 Mar. 1.  | PREBBLE, CHARLES TREW ..                                      | Temperley, Hucclecote, Gloucester.                             |
|       | 1893 Dec. 5.  | *PREBBLE, ERNEST .. ..  | L. & N. W. Ry., Gomersal, Leeds.                               |
| T t ✠ | 1894 Jan. 9.  | *PREECE, ARTHUR HENRY ..                                      | 39 Victoria Street, S.W.                                       |
|       | 1897 Apr. 6.  | *PREECE, WILLIAM LLEWELLYN                                    | { Tan-y-Bryn, Rusholme Road, Putney<br>Heath, S.W.             |
| t ✠   | 1876 Dec. 5.  | { PRELLER, CHARLES SHEIBNER<br>DuRiche, M.A., Ph.D. (Leipzig) | { 1 Zeltweg, Zürich.   |
|       | 1895 Feb. 5.  | PRENDERGAST, PATRICK JOSEPH                                   | St. Mary's Terrace, Athlone, Ireland.                          |
|       | 1885 Apr. 11. | *PRENTICE, ERNEST SAMUEL ..                                   | Greystoke, Christchurch Road, Sur-                             |
|       | 1887 Dec. 6.  | *PRENTICE, THOMAS THEOPHILUS                                  | Waterworks, Lima, Peru. [biton.                                |
|       | 1888 Dec. 4.  | { PRESCOTT, HARRY ERNEST,<br>M.A. (Cantab.) .. ..             | { 49 Marlborough Hill, N.W.                                    |
|       | 1897 Apr. 6.  | PREST, WILLIAM .. ..  | Alexandra Crescent, Ilkley. [S.E.                              |
|       | 1882 Feb. 7.  | *PRESTIGE, SYDNEY .. ..                                       | Aberdeen House, Blackheath Park,                               |
|       | 1882 May 2.   | { PRESTON, EDWARD STUART,<br>M.A. (Cantab.) .. ..             | { 63 Drayton Gardens, Kensington, S.W.                         |
|       | 1897 Mar. 2.  | *PRESTON, FREDERICK KENNERLEY                                 | { Chesterman & Co., Bow Works,<br>Sheffield.                   |
| m     | 1876 May 30.  | *PRESTON, SIDNEY .. ..  | Carson House, Church End, Finchley, N.                         |
|       | 1897 Dec. 7.  | PRETTY, WILLIAM HENRY ..                                      | 17 Western Street, Bedford.                                    |
|       | 1895 Dec. 3.  | *PREW, EDWARD JOHN .. ..                                      | Casilla de Correo, 145 Lima, Peru.                             |
|       | 1893 Feb. 7.  | *PRICE, ARTHUR BOYD .. ..                                     | Bapatla, via Guntur, S.M. Ry., India.                          |
|       | 1897 Jan. 12. | { *PRICE, GEORGE JOHN,<br>B.A. (Dublin) .. ..                 | { Bikpur, Bhagalpur District, Bengal.                          |
|       | 1897 Apr. 6.  | *PRICE, JAMES HENRY .. ..                                     | Kenstone, Albany Road, Bexhill.                                |
|       | 1886 Apr. 6.  | PRICE, JOHN .. ..   | { Bureau des Services Sanitaires,<br>Cairo.                    |
|       | 1894 May 1.   | PRICE, JOSEPH .. ..   | 125 Bunhill Row, E.C.  |
|       | 1889 Jan. 8.  | *PRICE, PETLEY LLOYD AUGUSTUS                                 | Kentville, Nova Scotia.  |
|       | 1887 Jan. 11. | { PRICE, WILLIAM ARTHUR,<br>M.A. (Oxon.) .. ..                | { Teign House, Westcombe Park Rd.,<br>S.E.                     |
|       | 1891 Feb. 3.  | PRICE, WILLIAM EDWARD ..                                      | Gas Works, Hampton Wick.                                       |
|       | 1891 Apr. 7.  | *PRICE-WILLIAMS, JOHN MORGAN                                  | 32 Victoria Street, S.W.                                       |
|       | 1889 Dec. 3.  | { *PRICE - WILLIAMS, SEYMOUR<br>WILLIAM .. ..                 | { J. Mansergh, 5 Victoria St., S.W.                            |
|       | 1891 Jan. 13. | PRICHARD, DAVID .. ..   | { Brithwernydd, Penrhyn Deudraeth,<br>N. Wales.                |
|       | 1889 Dec. 3.  | PRIDHAM, THEODORE .. ..                                       | P.W.D., Sydney, N.S.W.   |
|       | 1886 Mar. 2.  | PRIESTLEY, CHARLES HENRY..                                    | 20 Plas-Turton Gardens, Cardiff.                               |
|       | 1891 Mar. 3.  | *PRIGG, HENRY VICTOR .. ..                                    | 11 Mount Gould Road, Plymouth.                                 |
|       | 1880 Jan. 13. | PRIMROSE, ADAM .. ..  | { Duvivier & Co., Rua do General<br>Camara 64, Rio de Janeiro. |
|       | 1890 May 20.  | *PRINCE, HERBERT WALTER ..                                    | La Guaira Harbour, Venezuela.                                  |
|       | 1888 Dec. 4.  | *PRINSEP, REGINALD SEYMOUR                                    | Junior Carlton Club, Pall Mall, S.W.                           |
|       | 1890 May 6.   | *PRITCHARD, THOMAS .. ..                                      | 6 Sidney Road, Richmond, S.W.                                  |
| ✠     | 1889 Dec. 3.  | *PROCTER, HERBERT TATHAM                                      | 32 Market Square, Lancaster.                                   |
|       | 1894 Mar. 6.  | PROCTOR, HAROLD FARADAY ..                                    | Electric Light Station, Bristol.                               |
|       | 1896 Feb. 4.  | PROCTOR-SIMS, ERNEST WILLIAM                                  | P.W.D., Bhavnagar, Kathiawar, India.                           |
|       | 1898 Feb. 1.  | *PROES, ERNEST MARINUS ..                                     | S. Mahratta Ry., Belgaum, India.                               |
|       | 1889 Dec. 3.  | *PROUSE, ARTHUR DUNCAN ..                                     | Harbour Works, Colombo, Ceylon.                                |
|       | 1873 May 6.   | *PROUSE, CHARLES .. ..  | 37 Rutland Road, East Ham, E.                                  |
|       | 1879 Feb. 4.  | *PROUSE, OSWALD MILTON ..                                     | Alvington, Slade Road, Ilfracombe.                             |
|       | 1896 Dec. 1.  | PROUT, WILLIAM MORRIS ..                                      | Box 1021, Johannesburg, Transvaal.                             |
|       | 1895 Dec. 3.  | PROVIS, JOHN .. ..  | Western Silver Mine, Zeehan, Tasmania.                         |
| ✠     | 1887 Dec. 6.  | *PROVIS, RICHARD .. ..  | Box 231, Coolgardie, Western Australia.                        |
|       | 1878 Jan. 15. | PROVIS, THOMAS BAWDEN ..                                      | Tregorland, St. Mawes, Cornwall.                               |
|       | 1896 Dec. 1.  | *PRYDE, JOHN .. ..  | { Lowfield House, Hazel Grove,<br>Stockport.                   |
|       | 1886 May 18.  | PUCKERING, ROBERT COMINS ..                                   | Britannia Ironworks, Gainsborough.                             |
|       | 1893 May 2.   | { PUIG DE LA BELLACASA Y SAN-<br>CHEZ, NARCISO .. ..          | { Goya 8, Madrid.  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|      |   |               |   |  |
|------|---|---------------|---|--|
| m    | ✠ | 1892 Jan. 12. | { *PULLEN, WILLIAM WADE FITZ-<br>HERBERT .. .. . }        | { Fairley Villa, Oxford Road, Putney,<br>S.W. [Leeds.                  |
|      |   | 1884 Dec. 2   | PULLON, JOSEPH THOMAS ..                                  | 11 Norwood Terrace, Headingley,  |
|      |   | 1884 Dec. 2.  | *PUNCHARD, JOHN HENRY ..                                  | 36 Cornwall Road, W.   |
|      | ✠ | 1883 May 29.  | *PUNCHARD, WILLIAM CHARLES                                | 151 Cannon Street, E.C.  |
|      | ✠ | 1880 May 4.   | { PURCELL, GERVAISE,<br>B.A. (Dubl.) .. .. }              | San Gabriel, Los Angeles, Calif., U.S.                                 |
|      |   | 1893 May 2.   | { *PUTMAN, WILLIAM ERNEST<br>YOUNG .. .. . }              | Boro' Surveyor, Morley.  |
|      |   | 1885 Apr. 14  | *PUTTEN, ERNEST VAN .. ..                                 | Sion House, Lewisham, S.E.   |
|      |   | 1893 Mar. 7.  | *PYKE, LAZARUS .. .. .                                    | 44 Kensington Park Gardens, W.   |
|      |   | 1885 Dec. 1.  | *PYNE, HERBERT BARRINGTON                                 | Piedad 464, Buenos Aires.  |
|      |   |               |   |  |
|      |   | 1895 Dec. 3.  | *QUODLING, WILLIAM JAMES ..                               | Couranga, Strathfield, N.S.W.  |
|      |   |               |   |  |
|      |   | 1891 Dec. 1.  | RABADINA, DORABJEE BHIKHAJEE                              | B. B. & C. I. Ry., Bombay.   |
|      |   | 1887 Dec. 6.  | RADCLIFF, EDWARD .. .. .                                  | Donegal Ry., Donegal.  |
|      |   | 1896 Mar. 3.  | RADCLYFFE, LESLIE .. .. .                                 | Benhilton Mount, Sutton, Surrey.                                       |
|      |   | 1897 Apr. 6.  | { RADDIN, GEORGE HENRY,<br>B.E. (Royal) .. .. }           | Baylough, Athlone, Ireland.  |
|      |   | 1889 Jan. 8.  | RADFORD, JOHN CHARLES ..                                  | 153 High St., Putney, S.W.   |
|      |   | 1884 Feb. 5.  | RADFORD, WILLIAM HENRY ..                                 | Angel Row, Nottingham.   |
|      |   | 1895 Feb. 5.  | { RADLEY, EDWARD YELF,<br>B.A. (Oxon.) .. .. }            | 27 Albert Hall Mansions, S.W.  |
|      |   | 1879 Mar. 4.  | RADLEY, JOHN ALFRED .. ..                                 | G. E. Ry., Thorpe, Norwich.  |
|      |   | 1891 Mar. 3.  | *RAILTON, ALAN .. .. .                                    | { Topham, Jones & Railton, Port<br>Talbot.                             |
|      |   | 1892 Dec. 6.  | { *RAMUS, BERTRAM EDWARD DE<br>NOUAI, B.A. (Cantab.) .. } | Playden Rectory, Rye, Sussex.  |
|      |   | 1896 Dec. 1.  | RANDALL, AUGUSTUS CHARLES                                 | 27 Saltoun Road, Brixton, S.W.   |
|      |   | 1891 Dec. 1.  | RANDALL, WILLIAM SANCROFT                                 | Gas Light & Coke Co., Horseferry Rd.                                   |
|      |   | 1876 May 30.  | *RANDELL, JOHN WILLIAM ..                                 | 15 Albion Square, Dalston, E. [S.W.                                    |
|      |   | 1894 Feb. 6.  | *RANKEN, ARTHUR WILLIAM ..                                | { Electric Lighting Station, Great<br>Yarmouth.                        |
|      |   | 1884 Apr. 1.  | *RANKIN, GEORGE .. .. .                                   | Harbour Works, Buenos Aires.   |
|      |   | 1874 Apr. 14. | RANKINE, DAVID .. .. .                                    | 238 West George Street, Glasgow.                                       |
| WtMm | ✠ | 1892 Dec. 6.  | *RANSOM, HERBERT BYROM ..                                 | { Manlove, Alliott & Co., 57 Grace-<br>church St., E.C.                |
|      |   | 1890 Feb. 4.  | { *RANSOM, PETER AUGUSTUS,<br>B.A. (Cantab.) .. .. }      | Grosvenor Lodge, Beckenham.  |
|      |   | 1896 Feb. 4.  | RANSOME, FREDERICK STANLEY                                | Falcon Works, Loughborough.  |
|      |   | 1886 Jan. 12. | *RANSOME, JAMES STAFFORD ..                               | { 38 Overstrand Mansions, Battersea<br>Park, S.W.                      |
|      |   | 1894 May 22.  | RANSOME, JOHN WILMER ..                                   | { Orwell Lodge, Lordship Terrace,<br>Stoke Newington, N.               |
|      |   | 1892 Dec. 6.  | RAO, KEKOBAD HORMASJEE ..                                 | { Assam-Bengal Ry., Camp Langfer,<br>Post Lanka, Assam.                |
|      |   | 1892 Dec. 6.  | *RAPER, JOHN CHARLES DODGSON                              | G.I.P. Ry., Igatpuri, India.   |
|      |   | 1888 Mar. 6.  | *RAPLEY, FREDERICK HARVEY .                               | { 1416 Empire Building, 71 Broadway,<br>New York, U.S.                 |
|      |   | 1892 Dec. 6.  | RATANJI, MANACKJI .. .. .                                 | Port Trust, Bombay.  |
|      |   | 1893 Dec. 5.  | *RATHBONE, ACHESON LYLE ..                                | Greenbank, Liverpool.  |
|      |   | 1882 Feb. 7.  | *RATHBONE, EDGAR PHILIP ..                                | { S. African Argosy Association, 18<br>Bishopsgate Street Within, E.C. |
|      |   | 1886 Jan. 12. | *RATTRAY, DAVID CAMPBELL ..                               | L. & Y. Ry., Eng.'s Office, Man-                                       |
|      |   | 1898 Apr. 5.  | RAVEN, VINCENT .. .. .                                    | N. E. Ry., Darlington. [chester.                                       |
| t    | ✠ | 1890 May 20.  | RAVENSHAW, HENRY WILLOCK                                  | 110 Cannon Street, E.C.  |
|      |   | 1886 Dec. 7.  | *RAVES, BERTRAM ADAMS ..                                  | Welwyn, Herts. [Ceylon,  |
|      |   | 1895 Apr. 2.  | *RAVES, BRIAN ALBERT .. ..                                | R.E. Office, Slave Island, Colombo,                                    |



Date of  
Election.

## ASSOCIATE MEMBERS.

|             |     |  |   |
|-------------|-----|--|---|
| 1885 Dec.   | 1.  | *RAWSON, FREDERICK LAWRENCE                        | 3 Budge Row, E.C. (Bank 123.)   |
| 1891 Dec.   | 1.  | *RAYMOND, SYDNEY .. ..                             | { Johannesburg Ry., Charlestown,<br>Natal.                                  |
| 1891 Dec.   | 1.  | *RAYNER, FRANK .. ..                               | 1 Alexandra Road, Nottingham.   |
| 1869 May    | 6.  | RAYNER, THOMAS CHEVELEY ..                         | { Brunswick Terrace, Bangor, co.<br>Down.                                   |
| 1890 May    | 4.  | *RAYNES, THOMAS .. ..                              | { Waterworks, Johannesburg, Trans-<br>vaal.                                 |
| 1884 Dec.   | 2.  | *READ, HARRY VAUGHAN RUDSTON                       | { Broad St. Avenue, Blomfield St., E.C.<br>(Valorem, London. Avenue 562.)   |
| 1881 Feb.   | 1.  | READ, RICHARD .. ..                                | City Surveyor, Gloucester.  |
| m 1878 May  | 7.  | *READ, RICHARD JOHN GIFFORD                        | 17A Great George Street, S.W.   |
| m 1882 Feb. | 7.  | *READ, ROBERT HENRY .. ..                          | { Cadogan Ironworks, Lots Road,<br>Chelsea, S.W.                            |
| 1879 Feb.   | 4.  | READE, FREDERICK THOMAS ..                         | 26 Bedford Row, W.C.  |
| 1891 Feb.   | 3.  | READE, JAMES FRANCIS ..                            | John Street, Kilkenny, Ireland.   |
| 1871 Apr.   | 4.  | READE, THOMAS MELLARD ..                           | { Park Corner, Blundellsands, Liver-<br>pool.                               |
| 1887 Feb.   | 1.  | REBSCH, SAMUEL .. ..                               | { East India United Service Club,<br>16 St. James's Square, S.W.            |
| 1891 Dec.   | 1.  | *REED, HENRY ASHMAN .. ..                          | Mole Extension, Gibraltar.  |
| 1887 Dec.   | 6.  | REES, FREDERICK HOWELL ..                          | Box 2492, Johannesburg, Transvaal.  |
| 1894 May    | 22. | REESON, JOSEPH NEWELL ..                           | Gas Light & Coke Co., Beckton, E.   |
| 1887 Dec.   | 6.  | REEVE, HENRY .. ..                                 | St. Stephen's Club, Westminster, S.W.                                       |
| 1895 Dec.   | 3.  | REID, ALEXANDER .. ..                              | Kent Coalfields Syndicate, Dover.   |
| 1892 Dec.   | 6.  | REID, ANDREW .. ..                                 | McAlpine & Sons, 33 Gordon St.  |
| 1896 Feb.   | 4.  | REID, DAVID JOHN .. ..                             | Highland Ry., Inverness. [Glasgow.  |
| 1894 Dec.   | 4.  | REID, JOHN HENRY ONSLOW ..                         | St. Croix, Holly Walk, Leamington.  |
| 1893 Dec.   | 5.  | *REID, ROBERT NEWBY HARTLEY                        | Arbuthnot & Co., Madras.  |
| 1892 Dec.   | 6.  | REID, SAMUEL .. ..                                 | Municipal Eng.'s Office, Singapore.   |
| 1884 Feb.   | 5.  | *REID, WILLIAM .. ..                               | Kilbirnie, N.B. [S.S.   |
| 1881 May    | 3.  | *REILLY, FREDERICK, F.C.H. ..                      | 7 Rue Lemaitre, Puteaux, France.  |
| 1883 May    | 29. | REILLY, HENRY .. ..                                | 26 Bedford Row, W.C.  |
| 1878 May    | 28. | { REINCKE, HANS RODERICH<br>LEOPOLD .. ..          | { 2 Laurence Pountney Hill, E.C.<br>(Bank 530.)                             |
| ✠ 1893 May  | 16. | *REINHOLD, GUSTAVE CHARLES                         | 150 Rosendale Road, Dulwich, S.E.   |
| 1897 Jan.   | 12. | RENDEL, HENRY WEDGWOOD ..                          | 8 Great George Street, S.W.   |
| 1886 Apr.   | 6.  | { *RENTON, ALEXANDER CRAIG,<br>B.Sc. (Edin.) .. .. | { F. C. Buenos Aires al Pacifico, Calle<br>25 de Mayo 277, Buenos Aires.    |
| 1882 Mar.   | 7.  | RENEWICK, CHARLES .. ..                            | Montego Bay, Jamaica.   |
| 1887 Dec.   | 6.  | REUNERT, THEODORE .. ..                            | Johannesburg, Transvaal.  |
| 1893 May    | 2.  | REVILL, WILLIAM HENRY ..                           | L. C. & D. Ry., Loco. Dept., Margate.                                       |
| 1894 May    | 1.  | REYNOLDS, ERNEST JOHN ..                           | { 3 Clarendon Villas, Beaconsfield<br>Road, New Southgate.                  |
| m 1894 Dec. | 4.  | *REYNOLDS, FRANK PAUL ..                           | { e.o. F. P. Cembrano, 70 Queen's<br>Road, Richmond, S.W.                   |
| 1890 Jan.   | 14. | *REYNOLDS, LESLIE HUNTER ..                        | Montecillo, Dunedin, N.Z.   |
| 1886 Jan.   | 12. | *REYNOLDS, THOMAS BLAIR ..                         | 28 Victoria Street, S.W. [N.S.W.  |
| 1889 Dec.   | 3.  | RHODES, THOMAS .. ..                               | High Coombe, Carlingford, Sydney.   |
| 1882 Dec.   | 5.  | RICH, HOWARD .. ..                                 | { 10 Selborne Terrace, Manningham<br>Lane, Bradford.                        |
| 1878 Apr.   | 2.  | RICHARDS, EDWIN MELVILLE ..                        | Boro' Engineer, Warwick.  |
| 1893 May    | 16. | *RICHARDS, HENRY FINES ..                          | Woodlands Lodge, Isleworth.   |
| 1888 Dec.   | 4.  | RICHARDS, RICHARD WATKINS                          | City Surveyor, Sydney, N.S.W.   |
| 1893 Apr.   | 11. | RICHARDSON, CECIL .. ..                            | B. B. & C. I. Ry., Bombay. [biton.  |
| 1887 Jan.   | 11. | *RICHARDSON, GEORGE RICHARD                        | Dawankuttie, Adelaide Rd., Sur-   |
| 1890 Feb.   | 4.  | *RICHARDSON, HARRY .. ..                           | veyor, Aston Manor, Birming-  |
| 1897 Jan.   | 12. | RICHARDSON, HARRY ALFRED                           | Elsinore, Heaton, Bolton. [ham.   |
| 1897 Apr.   | 6.  | { RICHARDSON, JOHN WILLIAM<br>MELLING .. ..        | { Water Engineer's Office, Birkenhead.<br>Glen Heather, Dryburgh Road, Put- |
| 1893 May    | 16. | RICHARDSON, WILLIAM ARTHUR                         | ney, S.W.   |
| 1885 May    | 5.  | *RICKETTS, DASHWOOD POYNTZ                         | e.o. H.B.M. Consul, Tientsin, China.  |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                  |                                |  |
|------------------|--------------------------------|--|
| 1896 Mar. 3.     | RIDER, JOHN HALL.. ..          | 8 Whiteford Road, Mannanacud, Ply-     |
| 1897 Jan. 12.    | RIDLEY, CLARENCE OLIVER ..     | 8 Great George Street, S.W. [mouth.    |
| 1886 Mar. 2.     | *RIDLEY, MARTYN NOEL ..        | 12 Delahay Street, Westminster, S.W.   |
| 1886 Dec. 7.     | RIGBY, ARTHUR .. ..            | Harbour Board, Mackay, Queensland.     |
| 1892 Mar. 1.     | *RIGBY, ARTHUR BANKS ..        | { Glaisdale, Santos Road, Wandsworth,  |
| 1897 Feb. 2.     | { *RIGBY, EDWARD HULME, ..     | { S.W.                                 |
|                  | { B.Sc. (Victoria) .. ..       | { c.o. H.B.M. Consul, Tientsin, China. |
| 1891 Dec. 1.     | *RIGBY, HERBERT PETER BARROW   | Main Drainage, Cape Town, C.C.         |
| 1888 Jan. 10.    | RISTORI, EMANUEL JOSEPH ..     | 9 Victoria Street, S.W.                |
| 1885 Apr. 14.    | RITSON, THOMAS NOBLE ..        | Gasworks, Kendal.                      |
| 1892 Dec. 6.     | *RIVERS, CHARLES HAY ..        | 11 Queen Victoria Street, E.C.         |
| 1875 May 4.      | RIVERS, EDWARD GEORGE ..       | 12 Whitehall Place, S.W.               |
| 1890 Feb. 4.     | *ROACH, WILLIAM LLOYD ..       | District Council, Blaina, Mon.         |
| 1890 Mar. 4.     | *ROBERTS, CHARLES, F.C.H. ..   | { Nacoochee Hills Gold Mining Co.,     |
|                  |                                | { Nacoochee, Ga., U.S.A.               |
| 1898 Apr. 5.     | ROBERTS, FRANK .. ..           | Boro' and Water Engineer, Worthing.    |
| 1896 May 19.     | *ROBERTS, GERVASE HENRY ..     | 64 Scholes Bank, Horwich.              |
| 1894 Mar. 6.     | *ROBERTS, GRIFFITH .. ..       | Portmadoc, North Wales.                |
| 1897 Mar. 2.     | ROBERTS, HAMLET .. ..          | Waterworks, Ipswich.                   |
| 1897 Feb. 2.     | ROBERTS, JOHN .. ..            | 28 Fisher Street, Swansea.             |
| 1892 Dec. 6.     | ROBERTS, JOHN BROAD ..         | Box 1019, Johannesburg, Transvaal.     |
| 1892 Dec. 6.     | { *ROBERTS, JOHN MARRIS, ..    | { Waterford, Limerick & Western Ry.,   |
|                  | { B.A.I. (Dubl.) .. ..         | { 5 Alexandra Terrace, Military        |
|                  |                                | { Rd., Limerick. [chester.             |
| 1891 Jan. 13.    | ROBERTS, LOUIS EDGAR ..        | 171 Barton Road, Stretford, Man-       |
| 1884 Apr. 1.     | ROBERTS, MARTIN FENN ..        | { 5 Christchurch Avenue, Brondes-      |
| 1890 Dec. 2.     | { *ROBERTS, REUBEN WILLIAM     | { bury, N.W.                           |
|                  | { F.C.H. .. ..                 | { Pegu Club, Rangoon, Burma.           |
| 1886 Dec. 7.     | { ROBERTS, RICHARD GABBETT     | { P.W.D., Purneah, Bengal.             |
|                  | { SPIERS .. ..                 |  |
| 1881 May 31.     | ROBERTS, THOMAS .. ..          | Portmadoc, North Wales.                |
| 1893 Dec. 5.     | *ROBERTSON, ALEXANDER GORDON   | 5 Samos Road, Anerley, S.E.            |
| 1892 May 3.      | { (ROBERTSON, FULTON, .. ..    | { Barry Ry., Taffs-Well, Cardiff.      |
|                  | { B.Sc. (Edin.) .. ..          |  |
| 1891 May 12.     | { *ROBERTSON, GEORGE THOMPSON, | { Lantaro Nitrate Co., Taltal, Chili.  |
|                  | { B.Sc. (Edin.) .. ..          |  |
| 1896 May 5.      | { ROBERTSON, HORACE PATRICK,   | { Matheson Buildings, Kalgoorlie,      |
|                  | { M.C.E. (Melb.) .. ..         | { Western Australia. [don.]            |
| m * 1889 Dec. 3. | *ROBERTSON, LESLIE STEPHEN     | 28 Victoria St., S.W. (Eyebolts, Lon-  |
| 1880 Dec. 7.     | *ROBINS, EDWARD .. ..          | H. P. Becher, 26 Bedford Row, W.C.     |
| 1894 Feb. 6.     | *ROBINS, FREDERICK SANDERSON   | Box 860, Johannesburg, Transvaal.      |
| 1890 Feb. 4.     | ROBINS, JOHN .. ..             | 19 Portland Street, Southampton.       |
| 1888 Dec. 4.     | ROBINS, WILLIAM HENRY ..       | 82A New Street, Birmingham.            |
| 1890 Mar. 4.     | { ROBINSON, ARTHUR SAMUEL      | { Hildon House, Wantage, Berks.        |
|                  | { FRANCIS .. ..                |  |
| 1877 Dec. 4.     | { *ROBINSON, CHARLES LAWRENCE  | { Littlethorpe, near Ripon.            |
|                  | { PEMBERTON, B.A. (Oxon.) ..   |  |
| 1892 Dec. 6.     | ROBINSON, ERNEST GEORGE ..     | { F. C. Ensenada, Estacion Central,    |
|                  |                                | { Buenos Aires.                        |
| 1894 Feb. 6.     | ROBINSON, FREDERICK FOLEY      | 9 Chiswick Place, Eastbourne.          |
| 1880 Dec. 7.     | ROBINSON, HUGH CECIL ..        | 43 Dover Street, W.                    |
| 1887 Feb. 1.     | ROBINSON, JAMES .. ..          | P.W.D., Bhagulpore, Bengal [India.     |
| 1882 Dec. 5.     | *ROBINSON, JOHN NEWMAN ..      | B. & N. W. Ry., Saidpur, N.W.P.,       |
| 1895 Feb. 5.     | *ROBINSON, JOSEPH PETER ..     | 8 Trafalgar Rd., Birkdale, Southport.  |
| 1895 Dec. 3.     | *ROBINSON, KEITH .. ..         | 54 Boundary Road, N.W.                 |
| 1896 Dec. 1.     | ROBINSON, LEIGH .. ..          | 13 Victoria Street, S.W.               |
| 1883 Dec. 4.     | *ROBINSON, RICHARD SYER ..     | Abbey Road, Malmesbury.                |
| 1884 May 27.     | { ROBINSON, Professor WILLIAM, | { 277 Woodborough Road, Notting-       |
|                  | { M.E. (Royal) .. ..           | { ham. [Kent.                          |
| 1882 May 2.      | ROBINSON, WILLIAM FLETCHER     | Rivadavia, Bedwell Rd., Belvedere,     |
| 1894 Dec. 4.     | ROBSON, JOHN JAMES ..          | 3 Victoria Street, S.W.                |
| 1896 Feb. 4.     | ROBSON, THOMAS PEARSON ..      | 34 Coleridge Road, Crouch End, N.      |

Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |  |   |
|-----|---------------|--|---|
|     | 1888 Dec. 4.  | ROCHFORD, JAMES .. ..  | Napier, N.Z.  |
|     | 1897 Dec. 7.  | RODDA, JOSEPH TONKIN ..  | Woodbank, Grove Road, Eastbourne.                             |
|     | 1885 May 19.  | *RODEN, HORACE HASSALL ..  | 7 Oriol Terrace, Weston-super-Mare.                           |
|     | 1897 Apr. 6.  | RODGERS, JOHN ROBERT ..  | { J. P. Clarkson, 5 Great Winchester<br>Street, E.C.          |
|     | 1873 Dec. 2.  | *RODWELL, JOHN KIRBY ..  | Bury St. Edmunds.   |
| t ✕ | 1886 Feb. 2.  | ROECHLING, HERMAN ALFRED   | 23 Highfield Street, Leicester.                               |
|     | 1895 Jan. 8.  | *ROGERS, GEORGE SAMUEL WYON                                      | Local Board, Spennymoor, Durham.                              |
|     | 1896 Dec. 1.  | ROGERS, HERBERT MALCOLM ..                                       | { Redcliffe, Durham Avenue, Brom-<br>ley, Kent.               |
|     | 1893 Dec. 5.  | ROGERS, JOHN .. ..   | City Engineer, Brisbane, Queensland.                          |
|     | 1891 Dec. 1.  | ROGERS, OLIVER HERBERT ..  | Eng.-in-Chief's Office, Adelaide, S.                          |
|     | 1888 Dec. 4.  | { ROGERS, RALPH BARON,<br>M.A. ( <i>Oxon.</i> ) .. ..            | Penalverne, Falmouth. [Australia.                             |
|     | 1891 Feb. 3.  | { *ROGERSON, JOHN EDWIN,<br>B.A. ( <i>Cantab.</i> ) .. ..        | Croxdale Hall, Durham.  |
|     | 1890 Apr. 1.  | RÖHE, CHRISTIAN HEINRICH ..                                      | { MM. Arens, Irmãos, Rua João<br>Alfredo 147, Rio de Janeiro. |
|     | 1887 Dec. 6.  | *ROLLESTON, JOHN CHRISTOPHER                                     | Australian Club, Sydney, N.S.W.                               |
|     | 1872 May 14.  | ROMAÑA, EDWARD L. DE ..  | G. Stafford & Co., Arequipa, Peru.                            |
|     | 1890 Feb. 4.  | *ROMANES, CHARLES HUGH ..  | Post Office, Greymouth, N.Z.                                  |
|     | 1878 Mar. 5.  | ROMANES, GEORGE .. ..  | Craigknawe, Slateford, N.B.                                   |
|     | 1892 Dec. 6.  | ROOKE, JOHN WILLIAM BROWN  | District Council, Biggleswade, Beds.                          |
| m ✕ | 1885 Feb. 3.  | *ROOPER, WALTER OSMOND ..  | Emery Works, Stafford.  |
|     | 1886 Apr. 6.  | *ROPER, JOHN SIMPSON .. ..                                       | 32 Market Square, Lancaster.                                  |
|     | 1888 Dec. 4.  | *ROSE, FREDERICK, JUN. ..  | Caixa 100, Santos, Brazil.                                    |
|     | 1888 Jan. 10. | *ROSE, GEORGE PRINGLE, C.I.E.                                    | H. S. King & Co., 45 Pall Mall, S.W.                          |
|     | 1886 Apr. 6.  | ROSE, JAMES WILMOT ANDREAS                                       | { Engineer's Office, Naauwpoort, Cape<br>Colony.              |
|     | 1891 Mar. 3.  | { *ROSS, COLIN JOHN .. ..<br>B.E., B.Sc. ( <i>Edin.</i> ) .. ..  | Town Hall, North Sydney, N.S.W.                               |
|     | 1889 Dec. 3.  | *ROSS, FRANCIS EDWARD .. ..                                      | { Linden Villa, Morland Road, Addis-<br>combe, Croydon.       |
|     | 1893 May 16.  | *ROES, JOHN .. ..  | { 8 Egmont House, Shaftesbury<br>Avenue, W.C.                 |
|     | 1889 Jan. 8.  | ROSS, JOHN CLARK .. ..   | Bloomfield Brothers, Warnnambool,<br>Victoria.                |
|     | 1890 Feb. 4.  | *ROSS, PERCIVAL .. ..  | North Bierley, Bradford.                                      |
|     | 1894 Feb. 6.  | ROSS, WILLIAM, B.A.I. ( <i>Dubl.</i> )                           | 66 North Wall, Dublin.  |
|     | 1895 Dec. 3.  | ROSS, WILLIAM, B.E. ( <i>Royal</i> )                             | { Fisher & Le Fanu, Boardmills, Co.<br>Down. [N.S.W.          |
|     | 1890 Dec. 2.  | ROSSBACH, WILLIAM .. ..  | Harbours & Rivers Dept., Sydney,                              |
|     | 1877 Mar. 6.  | ROTHWELL, RICHARD MARSHALL                                       | Ellerslie, Summertown, Oxford.                                |
|     | 1896 Jan. 14. | *ROTTER, EDWD. RICHD. ERNEST                                     | { Dick, Kerr & Co., 94 George Street,<br>Edinburgh.           |
|     | 1895 Jan. 8.  | { ROUNTHWAITE, RICHARD SEP-<br>TIMUS .. ..                       | 4 Carlton Terrace, Sunderland.                                |
|     | 1884 Feb. 5.  | { ROUSE, HENRY GEORGE ARCHI-<br>BALD .. ..                       | Norton, Haslemere Rd., Crouch End, N.                         |
|     | 1890 Apr. 1.  | ROUTH, WILLIAM POLE .. ..  | Oakfield, Southern Hill, Reading.                             |
|     | 1894 Dec. 4.  | { ROYSING, CHRISTIAN MARTIN<br>CRONE, B.A. ( <i>Copenhagen</i> ) | 2 Whitehall Court, S.W.                                       |
|     | 1878 May 7.   | ROWAN, ARTHUR HILL .. ..   | 14 Victoria Street, S.W.                                      |
| ✕   | 1886 Apr. 6.  | ROWAN, FREDERICK JOHN ..   | { 121 West Regent Street, Glasgow.<br>(Barnacles, Glasgow.)   |
| ✕   | 1895 Feb. 5.  | ROWBOTHAM, JAMES MCKEAN  | Gasworks, Corrales, Buenos Aires.                             |
|     | 1895 Jan. 8.  | ROWE, DANIEL .. ..   | 24 Albany Road, Redruth.                                      |
|     | 1893 Feb. 7.  | { ROWNEY, GEORGE ANSELM<br>HENRY, B.E. ( <i>Royal</i> ) .. ..    | { D.P.W., Sewerage Branch, Sydney,<br>N.S.W.                  |
|     | 1893 Mar. 7.  | { *ROYAL-DAWSON, FREDERICK<br>GEORGE .. ..                       | N.W.Ry., Shahrig, Beluchistan.                                |
|     | 1897 Jan. 12. | *ROYLE, FREDERICK MURRAY ..                                      | Guildhall, Nottingham. [Chester.                              |
|     | 1884 Feb. 5.  | ROYLE, HENRY .. ..   | Longford Bridge, Stretford, Man-                              |
|     | 1893 Jan. 10. | *ROYLE, STANLEY ARTHUR ..  | City Surveyor's Office, Manchester.                           |

| Date of Election.  | ASSOCIATE MEMBERS.                                      |   |
|--------------------|---|---|
| 1889 Apr. 2.       | *ROZARIO, LOUIS CHARLES DO                              | Rozario & Co., Hong Kong.                                 |
| 1897 Apr. 6.       | RUDGARD, HENRY JOHN .. ..                               | Eng.'s Office, N. E. Ry., York.                           |
| 1887 Dec. 6.       | RUMSEY, HERBERT .. ..                                   | {Clarendon, Strafford Road, Twickenham.                   |
| 1895 Apr. 2.       | *RUNDALL, WILLIAM HARRY ..                              | Mina Santa Fé, Tabasco, Mexico.                           |
| W t † 1879 Feb. 4. | RUNEBERG, ROBERT .. ..                                  | Liteinij prosp. 57, St. Petersburg.                       |
| 1895 May 21.       | RUSHWORTH, JOSEPH .. ..                                 | 32 Holden St., Great Lever, Bolton.                       |
| 1887 Apr. 5.       | *RUSSELL, ARTHUR JAMES ..                               | {Tolima Mining Co., Honda, U.S. Colombia.                 |
| 1892 Feb. 2.       | RUSSELL, CHARLES NEWTON ..                              | 83 Claremont Road, Highgate, N.                           |
| 1885 Jan. 13.      | *RUSSELL, STUART ARTHUR ..                              | Kingswood, Coventry Road, Ilford.                         |
| 1876 Feb. 1.       | *RUSSELL, WILLIAM .. ..                                 | 9 Victoria Street, S.W. [Hill, N.W.                       |
| 1894 May 1.        | *RUTTER, CHARLES HERBERT ..                             | North Middlesex Gas Co., Mill                             |
| 1886 Apr. 6.       | *RUTTER, HENRY FILLMER ..                               | {West Middlesex Waterworks, Hammersmith.                  |
| 1893 May 2.        | *RUTTER, HENRY THORNTON ..                              | 12 Gt. James St., Bedford Row, W.C.                       |
| 1889 Mar. 5.       | {*RYGATE, PHILIP WILLIAM,<br>M.A., B.E. (Sydney) .. ..} | 322 George Street, Sydney, N.S.W.                         |
| 1897 Jan. 12.      | *RYMAN, FREDERICK ROBERT                                | Boro' Engineer's Office, Bury.                            |
| 1889 Feb. 5.       | SADLER, HENRY .. ..                                     | H.M. Dockyard, Keyham, Devonport.                         |
| 1892 Dec. 6.       | SADLER, WILLIAM WINDHAM ..                              | 42 Tay Street, Perth, N.B.                                |
| 1894 Feb. 6.       | *SAHNI, BHAGAT RAM .. ..                                | Jummu, Kashmir, India.                                    |
| 1881 May 31.       | {*ST. CLAIR, Hon. LOCKHART<br>MATTHEW .. ..}            | Grindlay, Groom & Co., Bombay.                            |
| 1896 Feb. 4.       | SAISE, ALFRED JOHN .. ..                                | 39 Broad Street, Bristol.                                 |
| 1893 Apr. 11.      | SALIS, HENRY RODOLPH DE ..                              | Ivy Lodge, Iver Heath, nr. Uxbridge.                      |
| 1889 Apr. 2.       | SALMON, ARTHUR .. ..                                    | Wallasey District Council, Egremont.                      |
| † 1889 Dec. 3.     | SALMOND, DAVID CUNNINGHAM                               | 7 Windsor Place, Cardiff.                                 |
| 1897 Apr. 6.       | *SALMOND, WILLIAM .. ..                                 | 21 Oakley Square, N.W.                                    |
| 1891 May 5.        | *SALTER, ARTHUR JOSEPH ..                               | 1 Foxham Road, Tufnell Park, N.                           |
| 1890 Jan. 14.      | *SALTMARSH, LIONEL .. ..                                | Box 855, Johannesburg, Transvaal.                         |
| 1890 May 6.        | SALWEY, EDWARD RICHARD ..                               | Stonehouse Court, Gloucestershire.                        |
| 1891 Feb. 3.       | *SAMPLE, JOHN THOMAS HORNSEY                            | Waterworks, Belper.                                       |
| 1891 Feb. 3.       | {*SANDERS, EVELYN FRANCIS,<br>B.A.I. (Dubl.) .. ..}     | {Bengal-Nagpur Ry., Sini Station, India.                  |
| 1892 Dec. 6.       | {*SANDERSON, CHARLES STEUART<br>BELL .. ..}             | 46 Queen Victoria Street, E.C.                            |
| 1887 May 3.        | *SANFORD, HENRY WILLIAM ..                              | {13 Dents Road, Wandsworth Common, S.W.                   |
| 1898 Apr. 5.       | *SANGSTER, WILLIAM PETER ..                             | {P.W.D., Bari Doab Canal, Amritsar India.                 |
| 1889 Feb. 5.       | *SANT, WILLIAM ELOIN .. ..                              | {Wortley, Mais & Sant, Kingston, Jamaica.                 |
| 1893 Dec. 5.       | *SARGEANT, EDWARD FRANK ..                              | Lower Street, Stroud, Glos.                               |
| 1895 Dec. 3.       | *SARGENT, HARRY LIONEL ..                               | {c.o. Bewick, Moreing & Co., Broad Street House, E.C.     |
| 1885 May 19.       | SARTORIS, LEONARD .. ..                                 | 6 Ovington Gardens, S.W.                                  |
| 1881 Jan. 11.      | *SAUBERGUE, ARTHUR DE ..                                | Waterworks, Barbados.                                     |
| 1892 Mar. 1.       | *SAUNDERS, ERNEST EDWARD ..                             | Improvements Co., Rio de Janeiro.                         |
| 1890 Dec. 2.       | {*SAUNDERS, FRANK WALTER<br>THEODOR .. ..}              | {Water Supply, Coolgardie, Western Australia. [Lane, E.C. |
| 1880 May 25.       | *SAUNDERS, HENRY JOHN ..                                | c.o. John Girdwood, 18 St. Swithin's                      |
| 1896 Apr. 14.      | SAUNDERSON, FREDERICK ..                                | {1 Woodbourne Place, Douglas, Isle of Man.                |
| 1892 Feb. 2.       | SAVAGE, EDWARD BALLARD ..                               | {Sewerage Dept., Council House, Birmingham.               |
| † 1886 Jan. 12.    | SAVAGE, HUGH .. ..                                      | 84 Rue Cockerill, Seraing, Belgium.                       |
| 1895 Dec. 3.       | SAVAGE, WILLIAM .. ..                                   | 77 Beech Street, Crewe.                                   |
| 1895 Jan. 8.       | SAVAGE, WILLIAM HENRY ..                                | Montfichet, East Ham, Essex.                              |
| 1882 Feb. 7.       | [SAVICH, ESTEVAO]... ..                                 |   |
| 1895 Dec. 3.       | *SAVILE, LEOPOLD HALLIDAY ..                            | {Southern Punjab Railway, Jhind, India.                   |

Date of  
Election.

## ASSOCIATE MEMBERS.

|                 |   |   |
|-----------------|---|---|
| 1889 Dec. 3.    | *SAVOURS, WILLIAM MATHEW ..   | { Woodlands, St. Martin's Road, Caer-<br>philly, Cardiff.       |
| 1887 Mar. 1.    | *SAXBY, JAMES .. .. .   | Creil, Oise, France.  |
| 1876 Feb. 1.    | SAXTON, HENRY WARING ..   | New Plymouth, New Zealand.                                      |
| 1892 Jan. 12.   | SAXTON, THOMAS RICHARD ..   | { Lyndhurst, Townsend Road, South<br>Tottenham, N.              |
| 1875 May 4.     | SAYER, SAMUEL .. .. .   | Miss Formby, Frindsbury, Rochester.                             |
| 1895 Dec. 3.    | SCAIFE, THOMAS EARLE .. ..  | P.W.D., Cape Town, C.C.   |
| 1894 Dec. 4.    | SCHARSCHMIDT, SAMUEL THOMPSON                                       | Hanbury, Shooter's Hill, Jamaica.                               |
| 1895 Mar. 5.    | SCHEID, ALEXANDRE .. ..   | Rio d'Ouro Ry., Inhauma, Brazil.                                |
| 1892 Mar. 1.    | { SCHÉLE, ERNST GEORGE<br>ANGANTYR .. .. .                          | Jönköping, Sweden.  |
| 1896 Feb. 4.    | SCHENK, CHARLES EDWARD ..   | 5 Cwmdonkin Terrace, Swansea.                                   |
| 1893 Apr. 11.   | SCHLOESSER, ROBERT .. ..  | { c.o. Messrs. Leman, 51 Lincoln's Inn<br>Fields, W.C.          |
| 1890 May 6.     | { SCHNEIDER, WILLIAM MARS-<br>LAND FRANCIS, M.A. ( <i>Cantab.</i> ) | 38 Stanhope Gardens, S.W.                                       |
| 1891 Mar. 3.    | SCHOFIELD, GEORGE ANDREW  | Sicilian Railway Co., Palermo, Sicily.                          |
| 1897 Mar. 2.    | { SCHOFIELD, WILLIAM HIGGIN-<br>SON .. .. .                         | County Highway Dept., 155 Bolton<br>Road, Atherton, Manchester. |
| 1889 Feb. 5.    | *SCHOLEFIELD, ERNEST EDWARD   | Rora, Bickington, Newton Abbot.                                 |
| 1887 May 3.     | SCHOLES, EDWARD HORATIO ..  | 60 Manchester Road, Bury, Lancs.                                |
| 1886 May 4.     | { *SCHÖNBERG, ALEXANDER<br>CHARLES .. .. .                          | { 28 Victoria Street, S.W. (Quayage,<br>London.)                |
| 1888 May 1.     | SCHURR, ALBERT EBENEZER ..  | { Fry, Miers & Co., 5 Laurence<br>Pountney Hill, E.C.           |
| 1889 Feb. 5.    | SCHUSTERSCHITZ, FRANCISCO ..  | Belem, Para, Brazil.  |
| 1894 Dec. 4.    | *SCHWARTZ, ALFRED .. ..   | Ivy House, Woodford Green.                                      |
| 1893 Dec. 5.    | SCHWOERER, EMILE .. ..  | Colmar, Alsace, Germany.  |
| 1891 Apr. 7.    | *SCLATER, ARTHUR WILLIAM ..   | 182 Oxford Street, W.   |
| 1878 May 28.    | SCLAVERANI, MICHELANGELO ..   | { Società Nazionale delle Officine.<br>Savigliano, Italy.       |
| 1880 Dec. 7.    | *SCOBIE, MACKAY JOHN .. ..  | Sir Charles Forbes & Co., Bombay.                               |
| 1894 Feb. 6.    | *SCONCE, HENRY ARCHIBALD KERR                                       | { Rajputana-Malwa Railway. Jeypore.<br>India.                   |
| 1889 May 21.    | *SCORGIE, NORMAN .. .. .  | Town Hall, Rotherhithe, S.E.                                    |
| 1877 Dec. 4.    | *SCOTT, CECIL .. .. .   | { Bezvada - Madras Ry., Nellore.<br>Madras.                     |
| 1892 Dec. 6.    | *SCOTT, CECIL GRAHAM .. ..  | Assam Bengal Ry., Moibang, Assam.                               |
| 1896 Feb. 4.    | SCOTT, CHRISTOPHER ROBT. IND  | Park House, Cambridge.  |
| 1882 Mar. 7.    | SCOTT, DONALD ALBERT .. ..  | { Beaconsfield House, Hingham,<br>Norfolk. [N.W.]               |
| 1883 Dec. 4.    | SCOTT, FRANK WALTER .. ..   | Woodcliffe House, Burgess Hill.                                 |
| 1892 Feb. 2.    | SCOTT, GEORGE HALL .. ..  | { Sir John Jackson, H.M. Dockyard-<br>Keyham, Devonport.        |
| 1880 May 25.    | *SCOTT, HUGH HAMILTON .. ..   | Town Hall, Hove, Brighton.                                      |
| 1894 May 1.     | SCOTT, JAMES .. .. .  | 8 St. Matthew's Street, Rugby.                                  |
| 1886 Dec. 7.    | SCOTT, JESSE FRENCH .. ..   | 206 Stanstead Rd., Forest Hill, S.E.                            |
| ✠ 1888 Jan. 10. | { *SCOTT, Professor ROBERT<br>JULIAN .. .. .                        | { Cauterbury College, Christchurch,<br>N.Z.                     |
| 1892 Mar. 1.    | SCOTT, ROBERT SMITH .. ..   | Town Surveyor, Bishop Stortford.                                |
| 1887 Apr. 5.    | SCOTT, WILLIAM ARCHIBALD ..   | 11 Alexandra Road, Southport.                                   |
| 1895 Feb. 5.    | SCOTT-BUSHE, ROBERT JOHN ..   | P.W.D., Trinidad.   |
| 1891 Dec. 1.    | { *SCOVELL, CHARLES THORNTON<br>RENNIE .. .. .                      | W. Watson & Co., Bombay.  |
| 1895 Dec. 3.    | SCRATCHLEY, ARTHUR JAMES  | { P.W.D., Western Jumna Canal,<br>Delhi.                        |
| 1884 Dec. 2.    | SCRATCHLEY, HERBERT ARTHUR  | { British Vice-Consul, Philippeville,<br>Algeria.               |
| 1895 Apr. 2.    | SCRATTON, ALFRED .. .. .  | F. C. del Sud, Buenos Aires.                                    |
| 1878 Apr. 2.    | *SCRIVEN, CHARLES WALTER ..   | 12 Trossachs Rd., East Dulwich, S.E.                            |
| 1894 Mar. 6.    | SCRUTTON, LINDSAY .. ..   | 18 Billiter Street, E.C.  |
| m 1894 Feb. 6.  | *SEALY-ALLIN, AUBRIOL .. ..   | Bengal-Nagpur Ry., Nagpur, India.                               |



| Date of Election. |                | ASSOCIATE MEMBERS.   |  |
|-------------------|----------------|--|--|
|                   | 1895 Apr. 2    | SEAMAN, CHARLES JOSEPH ..                                      | Stockton Forge, Stockton-on-Tees.                                  |
|                   | 1888 Feb. 7.   | { SEARIGHT, GEORGE SAMUEL,<br>B.A.I. ( <i>Dubl.</i> ) .. .. }  | Box 3004, Johannesburg, Transvaal.                                 |
|                   | 1874 Mar. 3.   | *SEARLE, JOHN COOMBE .. ..                                     | 87 Devonport Rd., Shepherd's Bush.                                 |
|                   | 1894 Dec. 4.   | *SEARS, ROBERT HUMPHRY, Jun. .                                 | E. I. Ry., Cawnpore, India.  |
|                   | 1887 Dec. 6.   | SEATON, WILLIAM SHARPEY ..                                     | { Montague House, Richmond, S.W.<br>(Seaton, Richmond.)            |
|                   | 1894 Feb. 6.   | *SEGRAIS, PAUL LE JUGE DE ..                                   | { Mare aux Vacoas Waterworks, Cure-<br>pipe, Mauritius.            |
| M m †             | 1889 Dec. 3.   | { *SEGUNDO, EDWARD CARSTENSEN<br>DE .. .. . }                  | 28 Victoria Street, S.W. (Awesome,<br>London.)                     |
|                   | 1886 Mar. 2.   | { SELLON, STEPHEN PRESCOTT<br>WHITE D'ALTE .. .. }             | Broadway House, Westminster,<br>S.W.                               |
|                   | 1889 Feb. 5.   | SENGOKU, MITSUGU .. ..   | Kiushiu Ry., Moji, Japan. [S.W.                                    |
| M †               | 1884 May 27.   | *SENNETT, ALFRED RICHARD ..                                    | c/o J. G. W. Aldridge, 9 Victoria St.,<br>Boro' Surveyor, Heywood. |
|                   | 1896 May 5.    | SETTLE, JAMES AINSWORTH ..                                     | The Hill, Alsager, Stoke-on-Trent.                                 |
|                   | 1895 May 21.   | SETTLE, JOEL .. ..   | H.M. Naval Yard, Gibraltar.  |
|                   | 1896 Dec. 1.   | *SETTLE, JOSEPH RISLEY .. ..                                   | 9 Bridge St., Westminster. S.W.                                    |
|                   | 1893 Dec. 5.   | SEVERN, WILLIAM HENRY ..                                       | 29 St. Mary St., Toronto, Canada.                                  |
|                   | 1880 Jan. 13.  | *SEWELL, HENRY DE QUINCY ..                                    | 223 Bristol Road, Birmingham.                                      |
|                   | 1886 Apr. 6.   | SHACKLEFORD, ARTHUR LEWIS                                      | P.W.D., Cape Town, C.C.  |
|                   | 1895 Dec. 3.   | SHAND, ALEXANDER .. ..   | 75 Upper Ground Street, S.E.                                       |
|                   | 1882 Apr. 4.   | *SHAND, JAMES TILLEY .. ..                                     | { Redpath, Brown & Co., Easter Road,<br>Edinburgh.                 |
|                   | 1893 Jan. 10.  | *SHARMAN, JOHN ROXBURGH ..                                     | 9 Bridge St., Westminster, S.W.                                    |
| T t †             | 1893 Dec. 5.   | *SHARMAN, PHILIP ALAN .. ..                                    | 47 Victoria Street S.W   |
|                   | 1887 Dec. 6.   | *SHARP, ARCHIBALD, B.Sc. ( <i>Lond.</i> )                      | { Pakenham House, Charlotte Road,<br>Edgbaston.                    |
|                   | 1893 Feb. 7.   | *SHARP, FREDERIC DAVID ..                                      | Invercargill, New Zealand.   |
| †                 | 1879 Feb. 4.   | SHARP, WILLIAM .. ..   | 91 Fitzroy Avenue, Belfast.  |
|                   | 1887 Apr. 5.   | SHARPE, ROBERT .. ..   | 9 Cannon Place, Hampstead, N.W.                                    |
|                   | 1885 May 19.   | *SHAW, EDWARD .. ..  | { Bainbridge, Seymour & Co., 13 St.<br>Helen's Place, E.C.         |
|                   | 1890 Dec. 2.   | SHAW, FREDERICK GEORGE ..                                      | Trinity House, Tower Hill, E.C.                                    |
|                   | 1886 Jan. 12.  | *SHAW, GEORGE HERBERT ..                                       | Urban District Council, Ilford.                                    |
|                   | 1890 Apr. 1.   | *SHAW, HERBERT .. ..   | Dr. Shaw, Geelong, Victoria.                                       |
|                   | 1883 Dec. 4.   | SHAW, JAMES JOSEPH .. ..                                       | Sandford, Wareham.   |
|                   | 1886 Feb. 2.   | SHAW, JOHN HOWARD .. ..  | { Tramway Construction Dept., Syd-<br>ney, N.S.W.                  |
|                   | 1894 Feb. 6.   | SHAW, PERCY WILLIAM .. ..                                      | Dewsbury.  |
|                   | 1879 Feb. 4.   | *SHAW, SAM .. ..   | 128 Wellington Street, Glasgow.                                    |
|                   | 1897 Apr. 6.   | *SHAW, WILLIAM BARBOURE ..                                     | Albrighton, near Wolverhampton.                                    |
|                   | 1877 Apr. 10.  | *SHAW, WILLIAM EDWARDS ..                                      | 20 Elms Road, Heaton Chapel, Lanes.                                |
|                   | 1895 Jan. 8.   | *SHEARD, WILLIAM CURWEN ..                                     | 7 Uxbridge Road, Surbiton.   |
|                   | 1882 Dec. 5.   | *SHEARS, JAMES CHARLES ..                                      | 13 Mosley St., Newcastle-on-Tyne.                                  |
| m †               | 1894 Dec. 4.   | *SHEFFIELD, GEORGE HARRISON                                    | 16 Kidbrook Grove, Blackheath, S.E.                                |
|                   | 1889 Dec. 3.   | *SHEFFIELD, ROBERT STONEY ..                                   | { SHEILDS, FRANCIS ERNEST<br>WENTWORTH .. .. }                     |
|                   | † 1895 Apr. 2. | { SHEILDS, FRANCIS ERNEST<br>WENTWORTH .. .. }                 | North Cornwall Ry., Wadebridge.                                    |
|                   | 1888 Feb. 7.   | SHELDON, FRANK .. ..   | Wells, Somerset.   |
|                   | 1887 Dec. 6.   | SHELDON, PERCY JOHN .. ..                                      | The Chantry, Springfield, Chelmsford.                              |
|                   | 1892 Jan. 12.  | SHELDON, WILLIAM JOHN, Jun.                                    | São Paulo Ry., São Paulo, Brazil.                                  |
|                   | 1879 Feb. 4.   | SHELDON, JAMES THOMAS ..                                       | 13 Miskin Road, Dartford, Kent.                                    |
| †                 | 1897 Mar. 2.   | *SHELFORD, FREDERIC, B.Sc. ( <i>Lond.</i> )                    | 35A Great George Street, S.W.                                      |
|                   | 1895 May 21.   | *SHEPHERD, JOSEPH .. ..  | 12 Shaftesbury Terrace, Glasgow.                                   |
| t †               | 1883 Feb. 6.   | SHEPPARD, HERBERT GURNEY                                       | Keneh-Assouan Ry., Upper Egypt.                                    |
|                   | 1892 Dec. 6.   | SHEPPARD, THOMAS CLIVE ..                                      | { Correo Casilla 36, Bahia Blanca,<br>Argentina.                   |
|                   | 1883 Jan. 9.   | SHERMAN, CHARLES BELLI BIVAR                                   | Quilon, Travancore, India.   |
|                   | 1885 Dec. 1.   | *SHIELD, ARTHUR HINDHAUGH                                      | 35A Great George Street, S.W.                                      |
|                   | 1897 Dec. 7.   | { *SHIELDS, WILLIAM HERBERT,<br>B.Sc. ( <i>Glas.</i> ) .. .. } | P.W.D., Perth, Western Australia.                                  |
|                   | 1892 May 3.    | SHIRLAW, ANDREW .. ..  | { Suffolk Works, Oozells Street,<br>Birmingham.                    |



Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |   |  |
|-----|---------------|---|--|
|     | 1877 Apr. 10. | SHONE, ISAAC .. .. .                                    | 47 Victoria Street, S.W. (Gradients,                                   |
|     | 1891 Dec. 1.  | *SHOOSMITH, HARRY .. .. .                               | 52 Mark Lane, E.C. [London.)   |
|     | 1883 May 1.   | SHORT, FRANCIS JOB .. .. .                              | 56 Brook Green, W.   |
|     | 1896 Dec. 1.  | {*SHORTLAND, CHARLES VINCENT<br>NIXON .. .. .}          | {Bengal-Nagpur Ry., Jenapur,<br>Orissa, India.                         |
|     | 1884 Dec. 2.  | SHUTTLEWORTH, FRANK HENRY                               | District Council, Littleboro', Man-                                    |
|     | 1894 Dec. 4.  | SIBBALD, JAMES .. .. .                                  | 35 Commercial St., Dundee. [chester.                                   |
|     | 1889 Dec. 3.  | *SIDEBOTHAM, JAMES NASMYTH                              | Parkfield, Altrincham, Cheshire.                                       |
|     | 1887 Feb. 1.  | *SILCOCK, EDWARD JOHN .. .. .                           | {10 Park Row, Leeds. (Theodolite,<br>Leeds. 2135.)                     |
|     | 1891 Apr. 7.  | *SILLEM, WILLIAM .. .. .                                | 194 Cromwell Road, S.W.  |
|     | 1884 Jan. 8.  | SILVERTHORNE, ARTHUR .. .. .                            | 5 Victoria Street, S.W.  |
|     | 1892 Mar. 1.  | SIMMANCE, JOHN FREDERICK .. .. .                        | {81 Page Street, Westminster, S.W.<br>(Precision, London.)             |
|     | 1895 May 21.  | SIMMELKJAER, SOPHUS .. .. .                             | 18 Pemberton Gardens, N.   |
|     | 1891 May 5.   | {SIMPKINS, WILLIAM,<br>B.Sc., (Edin.) .. .. .}          | {14 Livingstone Place, Edinburgh.                                      |
|     | 1889 Dec. 3.  | *SIMPSON, AUGUSTUS JOHN .. .. .                         | Vale Place, Haverhill, Suffolk.  |
|     | 1895. May 21. | *SIMPSON, CHARLES EDWARD .. .. .                        | {G. H. Laidman, Box 153, Buluwayo,<br>Matabeleland.                    |
|     | 1888 Feb. 7.  | *SIMPSON, CHARLES LIDDELL .. .. .                       | {101 Grosvenor Road, S.W.<br>(Aquosity, London.)                       |
|     | 1890 Dec. 2.  | SIMPSON, EDWARD MARSH .. .. .                           | Correo Casilla 796, Buenos Aires.                                      |
|     | 1879 Dec. 2.  | *SIMPSON, FRED .. .. .                                  | Casilla 144, G.P.O., Buenos Aires.                                     |
|     | 1889 Jan. 8.  | SIMPSON, HENRY EDWIN .. .. .                            | 4 Penmartin Road, Brockley, S.E.                                       |
|     | 1891 Apr. 7.  | SIMPSON, WILLIAM HENRY .. .. .                          | {Alliance Chambers, Horsefair Street,<br>Leicester.                    |
|     | 1891 Dec. 1.  | SINCLAIR, ALEXANDER .. .. .                             | Hafod Works, Swansea.  |
| ✠   | 1892 Dec. 6.  | SINCLAIR, JOHN SMART .. .. .                            | Town Hall, Widnes.   |
|     | 1892 May 24.  | SINGH, BAKSHI RAM, <i>Rai Sahib</i>                     | P.W.D., Gujranwalla, Punjab.   |
|     | 1893 Dec. 5.  | *SINNOTT, EDWARD STOCKLEY .. .. .                       | {Eng.'s Office, Tydraw St., Port Tal-<br>bot. (Minerals, Port Talbot.) |
|     | 1897 Mar. 2.  | *SISSON, NORMAN .. .. .                                 | {Hughes & Laneaster, 47 Victoria<br>Street, S.W.                       |
|     | 1888 Dec. 4.  | *SKELTON, ROBERT .. .. .                                | Municipal Eng., Colombo, Ceylon.                                       |
|     | 1892 Dec. 6.  | *SKINNER, HARRY ROSS .. .. .                            | {Durban-Rodepoort Mining Co.,<br>Johannesburg, Transvaal.              |
|     | 1891 Dec. 1.  | SKIPTON, JOHN GERVAIS .. .. .                           | Athlone, Ireland.  |
|     | 1876 Dec. 5.  | SLADE, FREDERICK .. .. .                                | Beekford, Tewkesbury.  |
|     | 1896 May 5.   | *SLADE, ROBERT HOLROYD .. .. .                          | 14 Springfield Mount, Leeds.   |
|     | 1896 Feb. 4.  | *SLATER, JOSEPH .. .. .                                 | {117 Eccles Old Road, Pendleton,<br>Manchester.                        |
|     | 1892 Dec. 6.  | SLAUGHTER, FREDERICK WILLIAM                            | 84 Tressillian Road, Brockley, S.E.                                    |
|     | 1877 Mar. 6.  | *SMALL, JAMES MILN .. .. .                              | 17 Victoria Street, S.W.   |
| m ✠ | 1884 Dec. 2.  | *SMART, EDGAR .. .. .                                   | {4 St. James' Buildings, William St.,<br>Melbourne, Victoria.          |
|     | 1893 Dec. 5.  | {SMEATON, STIRLING,<br>B.A. (Adelaide) .. .. .}         | {Littlehampton, South Australia.                                       |
|     | 1886 Feb. 2.  | *SMELT, JOHN DANN .. .. .                               | {Argentine Gt. Western Ry. Co.,<br>Finsbury Circus, E.C.               |
|     | 1889 Dec. 3.  | *SMITH, ALBERT CASSON .. .. .                           | {Metropolitan Board of Works,<br>Collins St., Melbourne, Victoria.     |
|     | 1896 Apr. 14. | SMITH, ALEXANDER .. .. .                                | {F. C. Buenos Aires y Rosario,<br>Rosario, Argentina.                  |
|     | 1894 Dec. 4.  | {*SMITH, ALEXANDER ARTHUR<br>DALRYMPLE, M.Sc. (Durham)} | {2 The Oaks, Sunderland.   |
|     | 1896 Dec. 1.  | SMITH, ARTHUR CLEMENTI .. .. .                          | P.W.D., Ceylon.  |
|     | 1882 Mar. 7.  | SMITH, ARTHUR KEEN .. .. .                              | L.D. & E.C. Ry., Clown, Chesterfield.                                  |
|     | 1876 May 30.  | *SMITH, ARTHUR TOULMIN .. .. .                          | {Ludwig & Smith, Miasnitzkaia St.,<br>Moscow.                          |
|     | 1888 Feb. 7.  | SMITH, BASIL EUSTACE .. .. .                            | Central Uruguay Ry., Monte Video.                                      |
|     | 1891 May 5.   | *SMITH, BERTRAM ROBERT .. .. .                          | R. Smith, Bifrons, Fleet, Hants.                                       |
|     | 1885 Feb. 3.  | *SMITH, CECIL ARCHIBALD .. .. .                         | Binny & Co., Madras.   |
|     | 1894 Feb. 6.  | *SMITH, CHARLES CLEMESHA .. .. .                        | Waterworks, Wakefield.   |

| Date of Election. |  | ASSOCIATE MEMBERS.   |  |
|-------------------|--|--|--|
| 1887 Feb. 1.      | SMITH, CYRIL .. .. .                               | F. C. de Paraguay, Asuncion, Para-                         |  |
| 1897 Jan. 12.     | SMITH, EDMUND .. .. .                              | 13 Victoria Street, S.W. [Guay.                            |  |
| 1886 Dec. 7.      | *SMITH, FRANK MARTIN ..                            | { Roads and Bridges Department,<br>Sydney, N.S.W.          |  |
| 1896 Apr. 14.     | SMITH, FREDERICK HENRY ..                          | { Surrey Commercial Docks, Rother-<br>hithe, S.E.          |  |
| 1895 Dec. 3.      | SMITH, GEORGE WILLIAM ..                           | Port Elizabeth, Cape Colony.                               |  |
| 1877 Dec. 4.      | SMITH, GUY .. .. .                                 | 10 Marine Parade, Eastbourne.                              |  |
| t ✕ 1893 Dec. 5.  | *SMITH, HAROLD DUKE .. ..                          | G. W. Ry., Taunton.  |  |
| 1893 Dec. 5.      | *SMITH, HARRY COLVIN .. ..                         | { Gt. Central Railway, Chalcombe,<br>Banbury.              |  |
| 1897 Apr. 6.      | SMITH, HARRY WILLIAM ..                            | Boro' Engineer, Scarborough.                               |  |
| 1879 May 27.      | SMITH, HENRY ROBERT .. ..                          | Portsmouth Water Co., Southsea.                            |  |
| 1896 Jan. 14.     | { *SMITH, HENRY VAUGHAN }<br>CRAWFORTH .. .. .     | 2 Westbourne Villas, West Brigh-<br>ton.                   |  |
| 1885 Dec. 1.      | *SMITH, JAMES CAMPBELL ..                          | Boro. Surveyor, Bury St. Edmunds.                          |  |
| 1894 Dec. 4.      | SMITH, JAMES GOULD .. ..                           | Vestry Hall, Islington, N.                                 |  |
| 1876 Jan. 11.     | *SMITH, JOHN HUME .. ..                            | 56 Bradgate Road, Catford, S.E.                            |  |
| 1898 Apr. 5.      | SMITH, JOHN WILLIAM .. ..                          | 3 Mill Hill Road, Derby.                                   |  |
| 1891 Feb. 3.      | SMITH, RICHARD WILLIAM ..                          | P.W.D., Galle, Ceylon.                                     |  |
| t ✕ 1881 May 3.   | { SMITH, Professor ROBERT }<br>HENRY .. .. .       | 53 Victoria Street, S.W.                                   |  |
| 1889 Apr. 2.      | { *SMITH, ROGER THOMAS, }<br>B.Sc. (Lond.) .. .. . | 7 Gordon Street, Gordon Square,<br>W.C.                    |  |
| 1897 Jan. 12.     | *SMITH, THOMAS, B.A.I. (Dubl.)                     | Corballis House, Donabate, co Dublin.                      |  |
| 1888 Feb. 7.      | SMITH, THOMAS READER .. ..                         | District Council, Kettering.                               |  |
| 1891 Apr. 7.      | SMITH, THOMAS RHYS .. ..                           | 150 Broadway, New York, U.S.                               |  |
| 1895 Jan. 8.      | SMITH, T. RIDSDILL .. ..                           | 4 Westbourne Villas, Hessele, Yorks.                       |  |
| 1874 Apr. 14.     | SMITH, URBAN ARMSTRONG ..                          | { 41 Parliament Street, S.W. (Urban.<br>Smith, London.)    |  |
| ✕ 1881 May 31.    | *SMITH, WALTER .. .. .                             | Belvedere, East Dulwich Grove, S.E.                        |  |
| 1891 Feb. 3.      | SMITH, WILLIAM .. .. .                             | Sewerage Branch, Sydney, N.S.W.                            |  |
| 1891 Jan. 13.     | { SMITH, WILLIAM CHARLES }<br>CLIFFORD .. .. .     | Dudley Lodge, Wallington.                                  |  |
| 1886 May 4.       | { *SMITH, WILLIAM CHARLES }<br>ERNEST .. .. .      | Lombardy Rys., Lodi, Italy.                                |  |
| 1883 Dec. 4.      | SMITH, WILLIAM HOWARD ..                           | { Carlisle Villa, Dalmore Road, West<br>Dulwich, S.E.      |  |
| 1895 Dec. 3.      | *SMITH, WILLIAM WARREN ..                          | Water House, Bletchingley, Surrey.                         |  |
| 1890 Dec. 2.      | { *SMITH - SAVILLE, ROBERT }<br>WILLIAM .. .. .    | Borough and Water Engineer,<br>Darwen.                     |  |
| 1892 Apr. 5.      | SMYTH, JAMES STEVENSON ..                          | Ry. Dept., Bangkok, Siam.                                  |  |
| 1890 Jan. 14.     | SNELL, ALBION THOMAS .. ..                         | South View, Brondesbury Rd., N.W.                          |  |
| 1887 Apr. 5.      | SNELL, HARRY .. .. .                               | Stanwell Rd., Penarth, Cardiff.                            |  |
| 1884 May 27.      | *SNELL, HENRY DE MORGAN ..                         | Caixa do Correo 113, Rio de Janeiro.                       |  |
| 1895 Mar. 5.      | { *SNELL, JOHN FRANCIS }<br>CLEVERTON .. .. .      | Electricity Station, Sunderland.                           |  |
| 1896 Feb. 4.      | { *SOBBE, FERDINAND AUGUSTUS }<br>VON .. .. .      | 3 Belvidere Road, Liverpool.                               |  |
| 1881 Dec. 6.      | *SOLLY, HUBERT LE GAY .. ..                        | District Engineer, De Aar, C.C.                            |  |
| 1883 Feb. 6.      | SOLOMON, MAURICE .. .. .                           | { Eng.'s Office, L. B. & S. C. Ry.,<br>London Bridge, S.E. |  |
| 1898 Feb. 1.      | { *SONNEBORN, ALBERT EDWARD }<br>HARVEY .. .. .    | 17 Acol Road, N.W.   |  |
| 1897 Feb. 2.      | *SOPER, ROBERT LEWIS .. ..                         | Roseneath, Wanstead, E. [E.C.                              |  |
| 1887 May 24.      | SORABJEE, SHAPURJEE .. ..                          | Ransome & Co., 49 Leadenhall St.,                          |  |
| 1882 Feb. 7.      | { SORABJI, Khan Bahadur }<br>BOMANJI .. .. .       | 8 Grant Road, Bombay.                                      |  |
| 1881 May 31.      | SOTO, PEDRO NOLASCO DE ..                          | Ferro Carril de Zafra, Huelva, Spain.                      |  |
| 1872 Dec. 3.      | SOUTHAM, ARTHUR .. .. .                            | 144 High Street, Clapham, S.W.                             |  |
| 1883 Apr. 3.      | SOUTTER, PETER WILLIAM ..                          | Port Commission, Calcutta,                                 |  |
| 1885 May 19.      | { SOUZA, AYRES POMPEO CAR- }<br>VALHO DE .. .. .   | Barreo do Estado de Rio de Janeiro,<br>Petropolis, Brazil. |  |

| Date of Election. |  | ASSOCIATE MEMBERS.  |         |
|-------------------|--|---|---------|
| ✦ 1849 May 1.     | SOWERBY, WILLIAM .. ..   | 88 Durham Road, Manor Park, E.  |         |
| 1894 Mar. 6.      | SPARKS, CHARLES PRATT .. ..  | { Ravenswood, Bramhall Lane,<br>Davenport, Cheshire.                          |         |
| 1833 Feb. 7.      | *SPARKS, IVON ALGERNON .. ..                                       | 16 Putney Hill, S.W.  | [E.C.   |
| 1897 Apr. 6.      | { *SPARKS, JAMES NOEL, B.A.)<br>( <i>Contab.</i> ) .. .. .         | { Winchester House, Old Broad St.,<br>Dunluc, Tottenhall Road, Wolverhampton. |         |
| 1894 Jan. 9.      | *SPENCE, WILFRID L. .. ..  | Le Chalet, Jurigoz, Lausanne.   |         |
| 1890 Mar. 4.      | *SPENCER, CHARLES TALLENT. . .                                     | 91 Haworth's Buildings, Manchester.   |         |
| 1890 Dec. 2.      | *SPENCER, HENRY BATH .. ..   | Elm Bank, St. Saviour's, Jersey.  |         |
| 1875 Feb. 2.      | { SPENCER, HERBERT GEORGE<br>HAMMOND .. .. .                       | Tynemouth.  |         |
| 1876 May 30.      | SPENCER, JOHN PHILIP .. ..   | Greymouth, New Zealand.   |         |
| 1894 May 22.      | { *SPENCER, LEONARD GRANTLEY<br>PAOLI .. .. .                      | { D.P.W., Roads' Office, Armidale,<br>N.S.W.                                  |         |
| 1895 May 21.      | { SPENCER, THOMAS WILLIAM<br>LORAIN .. .. .                        | Cannon Hall, Barnsley.  |         |
| 1895 Dec. 3.      | { *SPENCER-STANHOPE, PHILIP<br>BERTIE, M.A. ( <i>Oxon.</i> ) .. .. | 3 Westbourne Crescent, Hyde Pk., W.   |         |
| 1880 Apr. 6.      | *SPIELMAN, ISIDORE .. ..   | 17 Victoria Street, S.W.  |         |
| 1861 Mar. 5.      | SPIERS, JOSEPH .. ..   | Port Elizabeth, C.C.  | [Leeds. |
| 1877 Dec. 4.      | SPINDLER, HENRY LEWIS .. ..  | The Chesnuts, Far Headingley,   |         |
| 1883 Jan. 9.      | *SPINKS, WILLIAM .. ..   | 309 Regent Street, W.   |         |
| 1885 Jan. 13.     | SPOONER, HENRY JOHN .. ..  | Wivenhoe, Colchester.   |         |
| 1895 Feb. 5.      | SQUIRE, SAMUEL NATHANIEL. . .                                      | { Bewick, Moreing & Co., Coolgardie,<br>Western Australia.                    |         |
| 1886 Jan. 12.     | *STABLES, EDWARD .. ..   | Engineer's Office, Guildhall, E.C.  |         |
| 1895 Jan. 8.      | STACEY, HENRY EDMUND .. ..   | Casilla 473, San José, Costa Rica.  |         |
| 1891 Dec. 1.      | *STAINFORTH, GEORGE MAYNARD  | Victoria House, South Eston,  |         |
| 1894 Dec. 4.      | STAINTHORPE, THOMAS WILLIAM  | Middlesborough.   |         |
| 1894 May 22.      | STANTON, FRANCIS CHARLES ..  | 29 Mansfield Road, Ilford.  |         |
| 1895 May 21.      | *STALLARD, SIDNEY .. ..  | District Council, Barming, Maidstone.   |         |
| 1888 Feb. 7.      | *STALLIBRASS, EDWARD .. ..   | 15 Basinghall Street, E.C.  |         |
| 1896 Feb. 4.      | *STAMP, CHARLES .. ..  | { City Surveyor's Office, Bower Spring,<br>Sheffield.                         |         |
| 1891 Dec. 1.      | { *STANFIELD, Professor RICHARD,<br>F.R.S.E. .. .. .               | Heriot-Watt College, Edinburgh.   |         |
| 1890 Jan. 14.     | { STANFORD, WALTER JOHN,<br>B.A.I. ( <i>Dubl.</i> ) .. .. .        | { Tipperary Gold Co., Macetown, Otago,<br>New Zealand.                        |         |
| 1878 Feb. 5.      | STANGER, GEORGE HURST .. ..  | North Street, Wolverhampton.  |         |
| 1890 Feb. 4.      | STANLEY, WILLIAM HENRY .. ..                                       | Sunnycroft, Trowbridge, Wilts.  |         |
| 1880 Dec. 7.      | STANNARD, ARTHUR .. ..   | Villa des Rosiers, Dieppe.  |         |
| 1886 Dec. 7.      | *STANSFELD, ALFRED WOLRYCHE  | 32 Newmarket St., Skipton-in-Craven.  |         |
| 1894 Feb. 6.      | { STANTON, THOMAS ERNEST,<br>B.Sc. ( <i>Victoria</i> ) .. .. .     | University College, Liverpool.  |         |
| 1898 Mar. 1.      | *STANTON, WALTER CHARLES ..  | Rys., Rangoon, Burma.   |         |
| 1892 Feb. 2.      | *STAPLES, SYDNEY FRANCIS ..  | 11 Victoria Street, S.W.  |         |
| 1898 Feb. 1.      | *STAPLETON, BRYAN, F.C.H. ..                                       | N. W. Ry., Shalrig, Baluchistan.  |         |
| 1868 Dec. 1.      | STATHAM, EDWYN JOSEPH .. ..  | Beaconsfield St., Rockdale, N.S.W.  |         |
| 1895 Apr. 2.      | *STATHAM, HUGH WORTHINGTON   | Gosford, N.S.W.   |         |
| 1894 Dec. 4.      | *STATHAM, WILLIAM BLACKWALL  | { Linde British Refrigeration Co.,<br>35 Queen Victoria Street, E.C.          |         |
| 1888 May 1.       | *STATTER, JOHN GRICE .. ..   | { The Gables, Forest Road, Moseley,<br>Birmingham.                            | [N.S.W. |
| 1893 Feb. 7.      | STAWELL, JONAS MOLESWORTH  | Ry. Construction Dept., Sydney,   |         |
| 1896 Dec. 1.      | { STEEDMAN, HENRY PERCY<br>GORMANSTON .. .. .                      | New Oxford and Cambridge Club,<br>68 Pall Mall, S.W.                          |         |
| 1893 Mar. 7.      | STEPHEN, FREDERIC WILBER ..  | Ry. Dept., Petersburg, So. Australia.   |         |
| 1883 May 29.      | *STEPHEN, JAMES BROWN .. ..  | York Terrace, Birkington, Kent.   |         |
| 1894 May 1.       | STEPHEN, JAMES HENRY .. ..   | Leigh, Lanes.   |         |
| 1882 Mar. 7.      | *STEPHEN, KENT HUME .. ..  | Bengal Secretariat, Calcutta.   |         |
| 1893 Apr. 5.      | STEPHENS, CHARLES THOMAS ..  | { 71 Darlinghurst Road, Sydney,<br>N.S.W.                                     |         |

| Date of Election. |   | ASSOCIATE MEMBERS.          |  |
|-------------------|---|-----------------------------|--|
| 1886 Dec. 7.      | { | STEPHENS, FREDERICK OR-     | Thomson, Watson & Co., Cape Town, C.C.     |
| 1894 Dec. 4.      | * | STEPHENS, HOLMAN FRED ..    | Light Railway Office, Tonbridge.           |
| 1888 Dec. 4.      | * | STEPHENSON, EDMUND PALEY .. | District Council, Llandudoc.               |
| 1898 Mar. 1.      | * | STEPHENSON, EDWARD ..       | Fletcher & Co., Masson Works, Derby.       |
| 1887 May 3.       | { | STEPHENSON, JOSEPH GURDON   | 6 Drapers Gardens, E.C. (Fluvius, London.) |
| 1894 Dec. 4.      | * | STEPHENSON, RALPH HARRY ..  | Fireclay Co., Wortley, Leeds.              |
| 1897 Mar. 2.      | * | STERICKER, WALTER PERCHARD  | G.E.Ry., Loco. Supt.'s Office, Ipswich.    |
| 1886 Feb. 2.      | * | STERLING, WILLIAM ..        | 61 Lord Street, Liverpool.                 |
| m ✕ 1896 Dec. 1.  | * | STEVEN, JOHN WILSON ..      | 18 Sandyford Place, Glasgow.               |
| 1871 Dec. 5.      | { | STEVENS, FREDERICK WILLIAM, | Green St., Elphinstone Circle, Bom-        |
|                   |   | C.I.E. .. .. .              | bay.                                       |
| 1885 May 5.       | * | STEVENS, PERCIVAL ..        | P.W.D., Port of Spain, Trinidad.           |
| 1869 Jan. 12.     | * | STEVENS, WARWICK ALAN ..    | 237 Southwark Bridge Rd., S.E.             |
| 1874 Apr. 14.     | * | STEVENSON, JOHN ..          | Wharf House, Port Talbot, S. Wales.        |
| 1881 Mar. 1.      | * | STEVENSON, SIDNEY EVANCE .. | Gas Co., Cape Town, C.C.                   |
| 1891 Dec. 1.      | * | STEWART, ALEXANDER ..       | J.W. Stewart, 150 Hope St., Glasgow.       |
| 1883 Apr. 3.      | * | STEWART, CHARLES EDWARD ..  | Grand Junction Ry., George Town, C.C.      |
| 1891 Apr. 7.      | * | STEWART, CHARLES EDWARD ..  | 4 Park Hall Rd., East Finchley, N.         |
| 1896 Jan. 14.     | * | STEWART, CHARLES NIGEL ..   | 22-23 Laurence Pountney Lane, E.C.         |
| 1894 Feb. 6.      | * | STEWART, JOHN EDWIN ..      | Melrose, Trowels Lane, Derby.              |
| 1892 Apr. 5.      | * | STEWART, JOHN VAUGHAN ..    | Downshire Rd., Holywood, Belfast.          |
| 1891 Dec. 1.      | * | STEWART, THOMAS ..          | Harbour Works, Port Elizabeth, C.C.        |
| 1889 Jan. 8.      | * | STICKLAND, ERNEST ALBERT    | Boro' Surveyor, Windsor.                   |
| 1892 Dec. 6.      | * | STILGOE, HENRY EDWARD ..    | Borough Engineer, Dover.                   |
| 1895 Feb. 5.      | * | STILL, ALFRED ..            | Bowgreen Farm, Bowdon, Cheshire.           |
| 1893 May 2.       | * | STILL, PERCY ..             | { Chelsea Electricity Co., 19 Cadogan      |
|                   |   |                             | Gardens, S.W.                              |
| 1890 Dec. 2.      | * | STILWELL, ARTHUR WILLIAM    | East Orange, N.S.W.                        |
| 1892 Apr. 5.      | * | STOCKEN, ALFRED LEONARD ..  | { Lacrois, Fils et Cie., Mazères-sur-le-   |
|                   |   |                             | Salat, France.                             |
| 1891 May 5.       | * | STOCKMAN, BENJAMIN ..       | { 2 Torrington Park Villas, North          |
|                   |   |                             | Finchley.                                  |
| ✕ 1878 Feb. 5.    | * | STOESS, CHARLES ANTHONY ..  | Kaslo, British Columbia.                   |
| 1895 Dec. 3.      | * | STOKER, GILBERT ..          | Alexandra Dock, Hull.                      |
| m ✕ 1885 Dec. 1.  | { | STOKES, FREDERICK WILFRID   | 32 Victoria Street, S.W.                   |
|                   |   | SCOTT .. .. .               |  |
| 1859 Dec. 6.      | * | STOKES, JAMES FOLLIOTT ..   | 3 Prince's St., Westminster, S.W.          |
| 1889 Jan. 8.      | * | STOKOE, EDWARD RICHMOND ..  | { P.W.D., Kwala Lumpor, Selangor,          |
|                   |   |                             | S.S.                                       |
| 1886 Apr. 6.      | * | STONE, FRANK HOLMES ..      | G.P.O., Freetown, Sierra Leone.            |
| 1896 Feb. 4.      | * | STONEY, GEORGE GERALD ..    | { 7 Roxburgh Place, Heaton, New-           |
|                   |   |                             | castle-on-Tyne.                            |
| ✕ 1873 Mar. 4.    | * | STOOKE, THOMAS SULLOCK ..   | 31 St. John's Hill, Shrewsbury.            |
| 1896 Dec. 1.      | * | STOTHERD, CHARLES EGREMONT  | Jeypore, Rajputana, India.                 |
| 1888 Dec. 4.      | * | STOTHERT, PERCY KENDALL ..  | Keynsham Manor, Saltford, Bristol.         |
| 1874 Feb. 3.      | * | STRACHAN, JOHN ..           | Craigisla, Penylan, Cardiff.               |
| 1898 Apr. 5.      | * | STRACHEY, RALPH ..          | Dehri Bridge, Bengal.                      |
| 1892 Jan. 12.     | * | STRACHEY, RICHARD SHOLTO .. | Assam-Bengal Ry., Shillong, Assam.         |
| 1888 May 15.      | * | STRAIN, JOHN LOUDON ..      | Court House Chambers, Buxton.              |
| 1879 Feb. 4.      | { | STRAKER, CHARLES EDMUND,    | High Warden, Hexham.                       |
|                   |   | M.A. (Cantab.) .. ..        |  |
| 1895 Dec. 3.      | * | STRAKER, SIDNEY ..          | 110 Cannon Street, E.C.                    |
| 1889 Dec. 3.      | { | STRANGE, ALEXANDER BUR-     | 36 Lawn Crescent, Kew.                     |
|                   |   | ROUGHS .. .. .              |  |
| t ✕ 1883 May 29.  | * | STRANGE, WILLIAM LUMSDEN    | King, King & Co., Bombay.                  |
| 1885 Dec. 1.      | * | STRAIPP, WALTER ..          | 15 Rue Portalis, Paris.                    |
| 1897 Apr. 6.      | { | STRETTLE, WILLIAM STRAT-    | Harbour Works, Fremantle, Western          |
|                   |   | FORD, B.C.E. (Melb.) ..     | Australia.                                 |
| 1894 Dec. 4.      | * | STRIDE, HERBERT WALTER ..   | Holly Lodge, Upminster.                    |
| 1890 May 6.       | * | STRINGFELLOW, WILLIAM ..    | District Council, Eastleigh, Hants.        |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                    |   |  |
|--------------------|---|--|
| 1883 Feb. 6.       | *STRONGE, CHARLES .. ..   | F. C. Porto Alegre, São Leopoldo, [Brazil.   |
| 1869 Feb. 2.       | STRONGITHARM, AUGUSTUS HORACE   | Barrow-in-Furness.   |
| 1897 Feb. 2.       | *STRUBEN, ARTHUR MARINUS  | Strubenheim, Roebank, Cape Colony.   |
| 1882 May 23.       | {STUART, JAMES. M.A., LL.D.<br>(Contab.), M.P. .. ..}                             | 24 Grosvenor Road, S.W.  |
| 1898 Feb. 1.       | STUART, JAMES .. ..   | 115 Wellington Street, Glasgow.  |
| 1885 Apr. 14.      | STUBBS, JOHN PEMBERTON ..   | 43 Wroughton Road, Balham, S.W.  |
| 1883 Dec. 4.       | STUBBS, WILLIAM .. ..   | Municipal Offices, Blackburn.  |
| 1898 Apr. 5.       | STUDLEY, SAMUEL HAROLD ..   | Water Dept., Town Hall, Sheffield.   |
| 1890 Dec. 2.       | *SUAREZ, PEDRO .. ..  | Ingeniero Primero de Caminos, Riberalta, Rio Beni, Bolivia.                        |
| 1894 Dec. 4.       | {SUBRAHMANYAM AIYAR, SUN-<br>DARAIYAR ARIMBUR, Rai<br>Sahib, B.A., B.E. (Madras)} | Arbuthnot & Co., Madras.   |
| 1894 Jan. 9.       | SUGGATE, ALFRED .. ..   | 33 Villa Road, Brixton, S.W.   |
| 1891 Jan. 13.      | SUGGATE, FREDERICK CHENERY  | Gasworks, Auckland, N.Z.   |
| 1883 Jan. 9.       | *SUMMERSCALE, ALFRED .. ..  | {G.N. Ry., 55 Station Street, Notting-<br>ham.                                     |
| 1892 Dec. 6.       | SUMNER, FRANK .. ..   | {Town Hall, Spa Road, Bermondsey,<br>S.E.  |
| 1882 Jan. 10.      | *SUMNER, HERBERT GEORGE ..  | {E. F. Conde d'Eu, Parahyba do Norte,<br>Brazil.                                   |
| 1895 Jan. 8.       | *SUTCLIFFE, FREDERICK WILLIAM   | 9 Hargreaves St., Burnley, Lanes.  |
| 1896 Mar. 3.       | *SUTCLIFFE, JOHN .. ..  | Asst. Boro. Surveyor, Warrington.  |
| 1896 Dec. 1.       | {SUTHERLAND, ALEXANDER<br>CHARLES, M.A., M.C.E. (Melb.)}                          | Box 2926, Johannesburg, Transvaal.   |
| 1895 Dec. 3.       | *SUTHERLAND, JAMES .. ..  | P.W.D., Moulmein, Burma.   |
| 1894 May 22.       | SUTHERLAND, JOHN ROBERTSON  | 45 John Street, Glasgow.   |
| 1886 Dec. 7.       | SUTTON, JOSEPH WALKER ..  | 36 Bedford Street, Strand, W.C.  |
| 1895 Dec. 3.       | SUTTON, JOHN BLIGH .. ..  | Existing Rys., Sydney, N.S.W.  |
| † 1885 Mar. 3.     | *SWAINSON, JOHN HENRY ..  | 26 Holt Street, Wrexham.   |
| † 1883 Dec. 4.     | SWARBRICK, JOSEPH .. ..   | 33 Brazennose Street, Manchester.  |
| 1896 Dec. 1.       | SWINBURNE, GEORGE .. ..   | 99 Queen St., Melbourne, Victoria.   |
| 1886 Dec. 7.       | *SWINDLEHURST, JOSEPH EAVES   | St. Mary's Hall, Coventry.   |
| 1890 Jan. 14.      | {*SWINTON, ALAN ARCHIBALD<br>CAMPBELL .. ..}                                      | 66 Victoria Street, S.W. (Dunamis.<br>London. Westminster 156.)                    |
| 1892 Dec. 6.       | {*SYKES, CHARLES FREDERICK,<br>F.C.H. .. ..}                                      | c.o. Miss Sykes, Ashtead, Surrey.  |
| † 1888 Dec. 4.     | SYKES, CLEMENT MORISCRIP ..   | {State Engineer, Jamnagar. Kathia-<br>wad, India.                                  |
| 1888 Jan. 10.      | SYKES, EDWARD .. ..   | District Council, Cheadle, Manchester.   |
| 1896 Dec. 1.       | SYKES, ERNEST .. ..   | 12 Well Close Mount, Leeds.  |
| 1897 Jan. 12.      | *SYKES, JOSEPH CHARLES ..   | 15 Vernon Road, Clapham, S.W.  |
| 1892 Mar. 1.       | *SYMONS, PERCY WILSON ..  | 113 Cannon Street, E.C.  |
| 1894 Mar. 6.       | SYMONS, DIOGO ANDREW ..   | Engineer's Office, Easton, Portland.   |
| 1890 Mar. 4.       | {*SYNGE, ROBERT ANTHONY,<br>B.A. (Dubl.) .. ..}                                   | Casilla 55, Rosario de Santa Fé,<br>Argentina.                                     |
| 1888 Dec. 4.       | SYSON, ROBERT COCKBURN ..   | Tanjore, India.  |
| 1897 Apr. 6.       | SZLUNPER, CHARLES DAVID ..  | 17 Victoria Street, S.W.   |
| 1895 Jan. 8.       | *TABOR, EDWARD HENRY ..   | Worsley, near Manchester.  |
| 1887 Dec. 6.       | TAITE, JOHN CHARLES .. ..   | 63 Queen Victoria Street, E.C.   |
| 1893 Apr. 11.      | TALBOT, ERNEST .. ..  | 26 Victoria Street, S.W.   |
| 1895 Dec. 3.       | TALBOT, JAMES .. ..   | {94 Royal Exchange, King William<br>Street, Adelaide, S. Australia.                |
| T t † 1890 Dec. 2. | TANABE, SAKURO .. ..  | { Ry. Dept., Hokkaido, Japan.<br>4 Wellington Villas, Wellington<br>Square, Crewe. |
| 1882 Dec. 5.       | TANDY, JOHN O'BRIEN .. ..   | { 11 Mill Bank, Wellington, Salop.   |
| 1886 Dec. 7.       | TAPLAY, HERMAN .. ..  | 62 Croxeth Road, Liverpool.  |
| 1886 Apr. 6.       | TAPSCOTT, ROBERT LETHBRIDGE   |  |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                |   |   |
|----------------|---|---|
| 1891 Mar. 3.   | *TARGET, FELIX ALEXANDER ..                               | 50 Old Broad Street, E.C.                                   |
| 1891 Dec. 1.   | TATE, HERBERT WILLIAM ..                                  | 8 Bignor St., Cbeetham, Manchester.                         |
| 1893 Dec. 5.   | TATE, JOHN .. .. .  | E. Henniker, 34 Leadenhall St., E.C.                        |
| 1887 Jan. 11.  | TATE, WALTER HOWARD ..                                    | Taiping, Perak, S.S.  |
| 1893 Dec. 5.   | { TAYLER, ALEXANDER JAMES }<br>WALLIS .. .. .             | { 323 High Holborn, W.C. (Improv-<br>ably, London.)         |
| 1896 Dec. 1.   | TAYLOR, ARTHUR JOSEPH ..                                  | 3 Hallfield Road, Bradford.                                 |
| 1885 Feb. 3.   | TAYLOR, CHARLES .. .. .                                   | { Friars Field Villas, Derby. (Taylor<br>Gas, Derby.)       |
| 1897 Dec. 7.   | { *TAYLOR, DAVID GUILLAND, }<br>B.Sc. (Glas.) .. .. .     | { Mrs. McDonald, Ivanhoe, Nightin-<br>gale Road, Southsea.  |
| 1887 May 3.    | *TAYLOR, GUY NOBLE ..                                     | Nizam's Ry., Secunderabad, India.                           |
| 1897 Jan. 12.  | TAYLOR, HARRY WILLIAM ..                                  | District Council, Newburn-on-Tyne.                          |
| 1885 May 19.   | TAYLOR, HENRY .. .. .                                     | District Council, Clevedon, Somerset.                       |
| 1880 Mar. 2.   | *TAYLOR, JAMES NAAMAN ..                                  | { Eng.'s Office, G. W. Ry., Padding-<br>ton, W.             |
| 1880 Dec. 7.   | TAYLOR, JOHN HENRY ..                                     | Borough Surveyor's Office, Barusley.                        |
| 1886 Apr. 6.   | *TAYLOR, ROBERT CHARLES ..                                | St. James's Gate Brewery, Dublin.                           |
| 1886 Jan. 12.  | TAYLOR, ROBERT HENRY ..                                   | Admiralty Harbour, Dover.                                   |
| 1866 Dec. 4.   | TAYLOR, WILLIAM BROWNER                                   | Coonor, Coombe Park, Weston, Bath.                          |
| 1889 May 7.    | *TAYLOR, WILLIAM JAMES ..                                 | { County Surveyor, The Castle,<br>Winchester.               |
| 1893 Mar. 7.   | *TAYLOR, WILLIAM OSWALD ..                                | Bengal-Nagpur Ry., Nagpur, India.                           |
| 1879 Apr. 1.   | TEASDEL, JAMES EDWIN ..                                   | 3 Queen Street, Great Yarmouth.                             |
| 1891 May 5.    | TEMPLER, CHARLIE LIONEL ..                                | Allesley, King Charles Rd., Surbiton.                       |
| 1886 May 18.   | { *TEMPLETON, EDWIN ARTHUR }<br>SLADE, M.A. (Dubl.) .. .. | { 10 Ravenscourt Gardens, W.                                |
| 1897 Apr. 6.   | *TERRY, ALFRED JOHN ..                                    | 65 Beeston Hill, Leeds.                                     |
| 1888 Dec. 4.   | *THOMAS, ARTHUR DREW ..                                   | Staplake, Starcross, South Devon.                           |
| 1881 Feb. 1.   | THOMAS, CHARLES HENRY ..                                  | { Brecon & Merthyr Ry., Tredegar<br>Chambers, Newport, Mon. |
| 1881 May 31.   | THOMAS, CHARLES NEUMANN ..                                | Surveyor General's Off., Cape Town.                         |
| 1896 May 5.    | THOMAS, DAVID PROSSER ..                                  | { Islwyn House, Llantwit Vardre,<br>Pontypridd.             |
| 1891 Apr. 7.   | THOMAS, ELIJAH, <i>Fleet Eng. R.N.</i>                    | Holborn Villa, Sheerness.                                   |
| 1886 Dec. 7.   | *THOMAS, FRANCIS SALES, ..                                | Belle Grove Park, Welling, Kent.                            |
| 1877 May 29.   | THOMAS, HERBERT OLIVER ..                                 | Town Hall, Woolwich.  |
| 1880 May 4.    | THOMAS, JAMES DONNITHORNE                                 | { 41 Queen Elizabeth's Walk, Stoke<br>Newington, N.         |
| 1890 Dec. 2.   | THOMAS, JOHN .. .. .                                      | 27 Finsbury Terrace, Swansea.                               |
| 1895 Dec. 1.   | THOMAS, JOHN FREDERICK IVOR                               | 35 Kirkstall Road, Streatham, S.W.                          |
| 1860 May 22.   | THOMAS, JOSEPH LEE .. ..                                  | { 2 Hanover Terrace, Ladbroke<br>Square, W.                 |
| 1883 Dec. 4.   | THOMAS, PHILIP ALEXANDER ..                               | 35 Queen Victoria Street, E.C.                              |
| 1889 Dec. 3.   | THOMAS, ROBERT JOHN .. ..                                 | County Hall, Aylesbury.                                     |
| 1889 Dec. 3.   | THOMAS, THOMAS JAMES ..                                   | Town Surveyor, Ebbw Vale, Mon.                              |
| 1891 Mar. 3.   | THOMAS, TREVOR FALCONER ..                                | 129 Bute Street, Cardiff.                                   |
| ✠ 1889 May 7.  | THOMAS, WILLIAM .. .. .                                   | Penelvan, Camborne, Cornwall.                               |
| 1887 Jan. 11.  | { THOMAS, WILLIAM EDMOND }<br>CLASON .. .. .              | { Cringallt, Neath, South Wales.                            |
| 1896 Dec. 1.   | *THOMAS, WILLIAM MATTHEWS                                 | Jehanabad, Shahabad, Bengal.                                |
| 1893 May 2.    | *THOMASSON, LUCAS .. .. .                                 | Hawkshead House, Hatfield.                                  |
| 1887 Dec. 6.   | THOMLINSON, JOHN HUTTON ..                                | Gasworks, Brisbane, Queensland.                             |
| 1883 May 29.   | THOMPSON, ALBERT GEORGE ..                                | 4 Strathmore Gardens, Bognor.                               |
| 1886 Feb. 2.   | *THOMPSON, GEORGE WILLIAM                                 | Vine Street, Southwark, S.E.                                |
| 1880 Dec. 7.   | THOMPSON, HENRY GEORGE ..                                 | 33 Parliament Street, S.W.                                  |
| 1891 Mar. 3.   | THOMPSON, JAMES, B.E. ( <i>Royal</i> )                    | P.W.D., Perth, Western Australia.                           |
| 1893 Feb. 7.   | THOMPSON, JOHN .. .. .                                    | The Mount, Orford, Warrington.                              |
| 1895 Dec. 3.   | *THOMPSON, JOHN .. .. .                                   | 73 Brackenbury Road, Preston.                               |
| ✠ 1894 Dec. 4. | *THOMPSON, JOHN, JUN. ..                                  | Admiralty Harbour Office, Dover.                            |
| ✠ 1883 Feb. 6. | *THOMPSON, JOHN AUGUSTUS ..                               | 12 London St., Fenchurch St., E.C.                          |
| 1894 Mar. 6.   | { *THOMPSON, JOHN EDWARD }<br>OAKES .. .. .               | { 28 Park Row, Nottingham.                                  |

Date of  
Election.

## ASSOCIATE MEMBERS.

|     |               |   |  |
|-----|---------------|---|--|
| ✠   | 1893 Apr. 11. | THOMPSON, ROBERT WILLIAM                                    | Rayapuram, Madras.   |
|     | 1888 May 15.  | THOMPSON, WILLIAM .. ..                                     | 58 New Broad Street, E.C.  |
| t ✠ | 1886 Dec. 7.  | { THOMPSON, WILLIAM MANN,<br>M.A., B.E. (Sydney) .. .. }    | 159 Brougham Street, Woolloomooloo,<br>Sydney, N.S.W.                        |
|     | 1891 Feb. 6.  | THOMSON, AMBROSE HEPBURN                                    | Court House, Marylebone Lane, W.   |
|     | 1889 Mar. 5.  | *THOMSON, ARTHUR SACKVILLE                                  | King, Hamilton & Co., Calcutta.  |
|     | 1889 Jan. 8.  | THOMSON, JAMES .. .. .                                      | 22 Rutland Square, Edinburgh.  |
|     | 1871 Apr. 4.  | THOMSON, JOHN .. .. .                                       | Grindal Place, St. Bees, Carnforth.  |
|     | 1876 May 30.  | THORNE, ALFRED .. .. .                                      | 47 Victoria Street, S.W.   |
|     | 1882 Apr. 1.  | THORNTON, HAWTHORN ROBERT                                   | L. & Y. Ry., Horwich.  |
|     | 1891 Dec. 1.  | *THORNTON, JOHN ARTHUR ..                                   | Mayfield, Marple Bridge, Stockport.  |
|     | 1893 Dec. 5.  | *THORNTON, STANHOPE EVELYN                                  | Mattingby Lodge, Winchfield, Hants.  |
|     | 1893 Dec. 5.  | *THORP, RICHARD FENWICK ..                                  | Munaar, Devikolam P.O., India.   |
|     | 1882 Mar. 7.  | THORPE, BENJAMIN KELLY ..                                   | { 9 Speedwell Road, Edgbaston,<br>Birmingham. [New York.] }                  |
|     | 1886 Apr. 6.  | *THORPE, ROBERT HENRY ..                                    | 97 Cedar St., New York, U.S. (Terneza,                                       |
|     | 1890 Jan. 14. | THORPE, WILLIAM HENRY ..                                    | 53 Sale Street, Derby.   |
|     | 1895 Dec. 3.  | { THRELFALL, Professor RICHARD,<br>M.A. (Cantab.) .. .. . } | University, Sydney, N.S.W.   |
|     | 1889 Feb. 5.  | *THRUPP, EDGAR CHARLES ..                                   | 13 Victoria Street, S.W.   |
| ✠   | 1879 May 6.   | THUEY, ALEXANDER .. .. .                                    | 9 Western Street, Brighton.  |
|     | 1895 Jan. 8.  | *THURSFIELD, FRANCIS .. ..                                  | 24 Castle Street, Chester.   |
|     | 1880 Dec. 7.  | *THWAITE, BENJAMIN HOWARTH                                  | { 29 Great George Street, S.W. (Cal-<br>cination, London.) }                 |
|     | 1889 Dec. 3.  | TICKELL, GEORGE TEMPLER ..                                  | { Harper & Henderson, 63 Pitt Street,<br>Sydney, N.S.W. }                    |
|     | 1887 Dec. 2.  | *TICKELL, RICHARD EUSTACE ..                                | Cwm Elan, Rhayader, Rads.  |
|     | 1893 Feb. 7.  | TIDD, ERNEST GEORGE .. ..                                   | 25 Gordon Street, Glasgow.   |
|     | 1890 Dec. 6.  | *TIDDEMAN, EDMUND SPENSER                                   | 1 Barwick Road, Forest Gate, E.  |
|     | 1896 Dec. 1.  | TIFFIN, THOMAS EDWARD ..                                    | York Road, West Hartlepool.  |
|     | 1867 Dec. 3.  | TIJOU, WILLIAM .. .. .                                      | 48 Dalmeney Rd., Tufnell Park, N.  |
|     | 1893 May 16.  | *TILL, GUY LAURENCE .. ..                                   | City Surv.'s Office, Birmingham.   |
|     | 1891 Dec. 1.  | TILLEY, ALBERT .. .. .                                      | Messrs. Lysaght, Newport, Mon.   |
|     | 1889 Apr. 2.  | *TIMMINS, ARTHUR .. .. .                                    | Bridgewater Foundry, Runcorn.  |
|     | 1889 Dec. 3.  | TIMMINS, JOSEPH .. .. .                                     | Gas Works, Wigan.  |
|     | 1896 Mar. 3.  | TIMMINS, THOMAS ... .. .                                    | { Existing Lines Office, Ry. Dept.,<br>Melbourne, Victoria. }                |
|     | 1890 May 20.  | { TIMONOFF, Professor VSEVOLOD<br>DE .. .. . }              | { Ministère des Voies de Communica-<br>tion, Fontanka 117, St. Petersburg. } |
|     | 1875 Mar. 2.  | *TINTORER GIBERGA, JOSÉ ..                                  | Asalto 12, Barcelona, Spain.   |
|     | 1894 Dec. 4.  | *TIPLADY, RICHARD CLEMENT                                   | { Bahia and São Francisco Ry., Bahia,<br>Brazil. }                           |
|     | 1893 May 2.   | *TIPPETT, ARTHUR MAY .. ..                                  | Harbour Works, East London, C.C.   |
|     | 1884 May 6.   | { TISDALL, CHARLES JEROME,<br>B.A. (Dubl.) .. .. . }        | c.o. Agent, G.I.P. Ry., Bombay.  |
|     | 1887 Jan. 11. | TIVOLI, JOSEPH WILLIAM DE ..                                | Dibrugarh, Assam, India.   |
|     | 1893 Mar. 7.  | *TOCKE, ALFRED REGINALD ..                                  | P. W. D., Badulla, Ceylon.   |
|     | 1880 Mar. 2.  | *TODD, AUGUSTUS BYTHESEA ..                                 | Quarry Park, Grampound.  |
|     | 1890 May 20.  | TODD, WILLIAM HENRY .. ..                                   | Land of Green Ginger, Hull.  |
|     | 1889 Jan. 8.  | TOMALIN, HERBERT FREDERICK                                  | P.W.D., Colombo, Ceylon.   |
|     | 1896 May 5.   | TOMES, GEORGE BRUCE .. ..                                   | District Council, Mortlake, S.W.   |
|     | 1890 Apr. 1.  | TOMKINS, WILLIAM HENRY ..                                   | Snowlands, Bishop Stortford.   |
|     | 1896 Dec. 1.  | *TONGE, HAROLD ASHETON ..                                   | 39 Pentyla, Aberavon, Glamorgan.   |
|     | 1881 May 31.  | TONGE, JAMES .. .. .  | { Court Chambers, Mawdsley Street,<br>Bolton. }                              |
|     | 1897 Mar. 2.  | *TONGE, JOHN HENRY .. ..                                    | { 31 Higher Bank Road, Fulwood,<br>Preston. }                                |
|     | 1881 May 31.  | TONKIN, WALTER WILLIAM ..                                   | Greenhill Place, Thrupp, Stroud, Glos.                                       |
|     | 1892 Dec. 6.  | { TOOKER, HUGH POLLOCK,<br>B.E. (Queen's) .. .. . }         | P.W.D., Hong Kong.   |
|     | 1894 Dec. 4.  | TOOMER, JOSEPH FLETCHER ..                                  | 2A Plateros 2, Mexico City.  |
|     | 1893 Mar. 7.  | { *TOOTH, STANLEY,<br>M.A. (Cantab.) .. .. . }              | Trebury, The Avenue, Berrylands,<br>Sarbitor.                                |

| Date of Election. |               | ASSOCIATE MEMBERS.                                       |   |
|-------------------|---------------|--|---|
| ✠                 | 1885 Dec. 1.  | *TOPIAM, FRANCIS DAVID ..                                | King, King & Co., Bombay.   |
|                   | 1873 Dec. 2.  | *TOPLIS, FREDERICK .. ..                                 | 129 Fellows Road, Hampstead, N.W.                                 |
|                   | 1878 Feb. 5.  | *TORRENS, GERARD PHILIP ..                               | 19 Queensberry Place, S.W.  |
|                   | 1890 Dec. 2.  | TOUCHON, AUGUSTE .. ..                                   | 14 Caixa do Correio, Rio de Janeiro.                              |
|                   | 1895 Feb. 5.  | *TOWER, WILLIAM .. ..                                    | 82 Ebury Street, S.W.   |
|                   | 1894 Dec. 4.  | TOWLSON, SAMUEL .. ..                                    | Local Board, Cheshunt.  |
|                   | 1880 Mar. 2.  | {*TOWNESD, CHARLES JOHN<br>HENRY FYLER .. ..}            | Bengal Doaar Railway, Bengal.                                     |
|                   | 1875 Jan. 12. | *TOWNSEND, FRANCIS EDWARD ..                             | Hazelmere, Rhayader, Radnorshire.                                 |
|                   | 1885 Jan. 13. | TOWNSEND, HARRY .. ..                                    | Gasworks, Wakefield.  |
| ✠                 | 1884 Dec. 2.  | {TOWNSHEND, BERNARD O'DRIS-<br>COLL .. ..}               | 72 Durnford Street, Stonehouse,<br>Devon.                         |
|                   | 1893 Feb. 7.  | TRAVERS, THOMAS PATRICK ..                               | Gasworks, Cork.   |
|                   | 1890 Apr. 1.  | TREGLOWN, CHARLES HOCKIN ..                              | 38 Wretham Road, Handsworth.                                      |
|                   | 1897 Apr. 6.  | {*TRENCH, ERNEST FREDERIC<br>CROSBIE, B.A.I. (Dubl.) ..} | Crow Treas, Gomersal, Leeds.                                      |
|                   | 1886 Jan. 12. | TRENCH, GILBERT KENNEDY ..                               | 187 Barry Rd., East Dulwich, S.E.                                 |
|                   | 1897 Feb. 2.  | TRENCHARD, HENRY GOTTREUX ..                             | {Eagle Chambers, Hay Street, Perth,<br>Western Australia.         |
|                   | 1893 May 16.  | TREERY, EUGENE HORACE ..                                 | F. C. del Sud, Buenos Ayres.                                      |
|                   | 1894 Dec. 4.  | TRESTRAIL, NICHOLAS .. ..                                | Claremont Road, Redruth.  |
|                   | 1881 May 31.  | TRIER, FRANK HENRY JULIUS ..                             | 19 Great George Street, S.W.                                      |
| ✠                 | 1894 Mar. 6.  | TRIFFITT, JOHN .. ..                                     | N.E.R.v., Eng.'s Office, York.                                    |
|                   | 1892 Apr. 5.  | *TRISTRAM, CHARLES FRANCIS ..                            | {A. Cumberbatch, Régie, Constanti-<br>nople.                      |
| T t ✠             | 1883 Mar. 6.  | {*TROTTER, ALEXANDER PELHAM,<br>B.A. (Cantab) .. ..}     | Govt. Electrician, Cape Town, C.C.                                |
|                   | 1898 Apr. 5.  | TROUTON, JOHN CARDELL ..                                 | Municipal Offices, Plymouth.                                      |
|                   | 1892 Dec. 6.  | *TRYE, CHARLES BRANDON ..                                | Eng.'s Office, Midland Ry., Derby.                                |
|                   | 1883 Dec. 4.  | TUCK, EDMUND HENRY, F.C.H. ..                            | 30 East Dulwich Grove, S.E.                                       |
| m                 | 1897 Apr. 6.  | *TUCKER, PIERCE JOSEPH ..                                | {L. & N. W. Ry., Loco. Dept.,<br>Wolverhampton.                   |
|                   | 1892 May 3.   | TUCKER, ROBERT BOUCHER ..                                | The Grange, Stratford Green.                                      |
|                   | 1890 Dec. 2.  | {TUCKEY, THOMAS WILLIAM<br>TOWNSEND, B.E. (Royal) ..}    | Govt. Rys., Tientsin, China.                                      |
|                   | 1892 Dec. 6.  | TUCKWELL, JOHN MORRISON ..                               | {J. Graham, 2 Linwood Terrace,<br>Glasgow St., Hillhead, Glasgow. |
|                   | 1891 Dec. 1.  | TUDHOPE, ALFRED DRYDEN ..                                | Queenstown, Cape Colony.  |
| ✠                 | 1882 Feb. 7.  | *TUFNELL, CARLETON FOWELL ..                             | Iver, Kenley, Surrey.   |
|                   | 1880 Mar. 2.  | TULLY, THOMAS .. ..                                      | 44 Digby Road, Hornsey, N.  |
|                   | 1878 May 28.  | TUNSTALL, JOHN .. ..                                     | 141 Lordship Rd., Stoke Newington, N.                             |
|                   | 1894 Dec. 4.  | TURLEY, ARTHUR CLIFFORD ..                               | Boro' Engineer, Eccles.   |
|                   | 1890 Dec. 2.  | *TURNBULL, NICHOLAS KING ..                              | South Overdale, Langside, Glasgow.                                |
|                   | 1869 Mar. 2.  | TURNER, FRANK .. ..                                      | Bracondale, Ontario, Canada.                                      |
|                   | 1873 May 20.  | TURNER, FRANK DE MIERRE ..                               | Oporto, Portugal.   |
|                   | 1884 Dec. 2.  | *TURNER, JOHN HARRISON ..                                | 9 Hillier Rd., New Wandsworth, S.W.                               |
| m                 | 1875 Mar. 2.  | *TWEEDIE, WILLIAM .. ..                                  | {New Hamburg Ry., Porto Alegre,<br>Brazil.                        |
|                   | 1890 May 6.   | TWEEN, CHARLES NELSON ..                                 | Goddards, Widford, Ware, Herts.                                   |
|                   | 1894 Feb. 6.  | TWIDDY, JAMES HANDFIELD ..                               | Box 192, Klerksdorp, Transvaal.                                   |
| m ✠               | 1893 Apr. 11. | *TWINBERROW, JAMES DENIS ..                              | 13 Mosley St., Newcastle-on-Tyne.                                 |
|                   | 1891 Jan. 13. | *TWINBERROW, JOHN WULSTAN ..                             | {Great Central Ry., The Newarke,<br>Leicester.                    |
|                   | 1892 May 3.   | {TWINING, CHARLES RUFUS<br>FAIRBANKS .. ..}              | Calle de Patoni 5, Mexico City.                                   |
|                   | 1895 Jan. 8.  | {*TWYFORD, RENNIE CHARLES<br>AUGUSTUS .. ..}             | Leopoldina Railway, Petropolis,<br>Brazil.                        |
|                   | 1896 May 5.   | TYLER, EDWARD HENRY ..                                   | {Caixa do Correio 277, São Paulo,<br>Brazil.                      |
| m                 | 1877 May 1.   | *TYLOR, JOSEPH JOHN .. ..                                | Fir Toll, Mayfield, Sussex.                                       |
|                   | 1894 Dec. 4.  | TYRRELL, JAMES HENRY ..                                  | {City and Suburban Tramway,<br>Johannesburg, Transvaal.           |
|                   | 1890 May 6.   | TYZACK, DAVID .. ..                                      | Bellingham, Northumberland.                                       |

Date of  
Election.

## ASSOCIATE MEMBERS.

|                |   |  |
|----------------|---|--|
| 1877 Feb. 6.   | UHAGON, RECARDO DE .. ..                                  | Perastegni 5, Billao.  |
| 1895 Dec. 3.   | *UMNEY, HERBERT WILLIAMS ..                               | 55 Parsonage Rd., Withington, Lanes.   |
| 1893 Dec. 5.   | {*UNDERWOOD, WILLIAM ELPHIN-<br>STONE .. .. .}            | P.W.D., Madura, Madras.  |
| 1892 Feb. 2.   | UNSWORTH, WILLIAM .. ..                                   | 7 Chevin Road, Walton, Liverpool.  |
| 1870 Dec. 6.   | UNWIN, HERBERT .. .. .                                    | {Dowdeswell Court, Andoversford,<br>Glos.  |
| 1893 Dec. 5.   | UPTON, PRESCOTT .. .. .                                   | Box 1026, Johannesburg, Transvaal.   |
| 1872 Feb. 6.   | *USILL, GEORGE WILLIAM .. ..                              | 12 Spencer Rd., St. John's Hill, S.W.  |
| 1884 Dec. 2.   | *VACHELL, THEODORE .. ..                                  | 34 Bridge Street, Newport, Mon.  |
| 1879 Mar. 4.   | *VACHER, HERBERT PERKINS ..                               | Vulcan Ironworks, Winchester.  |
| 1889 Jan. 8.   | {VALENTINE, DAVID WILLIAM<br>TRAIL .. .. .}               | c.o. Arbuthnot, Latham & Co., 33<br>Great St. Helen's, E.C.                            |
| 1897 Dec. 7.   | *VALON, WALTER ARTHUR .. ..                               | Royal Crescent, Ramsgate.  |
| 1875 May 4.    | {VALON, WILLIAM ANDREW<br>McINTOSH .. .. .}               | 140 Temple Chambers, E.C. [N.]   |
| ✠ 1858 Dec. 7. | VARLEY, SAMUEL ALFRED .. ..                               | Arrow Works, Jackson Rd., Holloway,  |
| 1892 Dec. 6.   | VASSALLO, ANDREA .. .. .                                  | 163 Strada Forni, Valletta, Malta.   |
| 1894 Jan. 9.   | *VAUGHAN-LEE, ALEC GEORGE ..                              | Admiralty Harbour Works, Dover.  |
| 1890 Feb. 4.   | VEASEY, THOMAS FREDERICK ..                               | 5 Copthall Buildings, E.C.   |
| 1874 Dec. 1.   | VEEVERS, HARRISON .. .. .                                 | Hall Green, Dukinfield.  |
| 1894 May 1.    | VENN, ERNEST GALE .. .. .                                 | Port Office, Calcutta.   |
| 1891 Jan. 13.  | VENNING, EDWARD .. .. .                                   | P.W.D., Batticaloa, Ceylon. [N.W.]   |
| 1878 Apr. 2.   | *VENTRIS, ARTHUR .. .. .                                  | Camplon, Arkwright Rd., Hampstead,   |
| 1888 May 1.    | {*VERDON, ARTHUR LAWRENCE<br>RIDLEY .. .. .}              | 43 Manchester Street, Manchester<br>Square, W.   |
| 1893 Feb. 7.   | {*VEREKER, FREDERICK JAMES<br>WELLINGTON .. .. .}         | F. C. Bobadilla, Algeciras, Spain.   |
| 1895 Mar. 5.   | *VERNET, CHARLES CONSTANT ..                              | Uganda Ry., Mombasa, East Africa.  |
| 1893 May 16.   | VERNON, CHARLES EDWARD .. ..                              | Tresco, Plaistow, E. [Buenos Aires.  |
| 1889 Jan. 8.   | VERSCHOYLE, BERESFORD .. ..                               | F. C. Rosario, Avenida de Mayo 748,<br>20 New Bridge Street, E.C. (Biceps,<br>London.) |
| 1891 Mar. 3.   | *VESIAN, JOHN STUART ELLIS DE                             | South Mahratta Ry., Dharwar, India.  |
| 1891 Dec. 1.   | VIBART, GEORGE .. .. .                                    | City Surveyor, Adelaide, S. Australia.   |
| 1891 Apr. 7.   | *VICARS, JAMES, M.E. (Sydney)                             | Silvermere, Fairholt Rd., Stamford   |
| 1896 Feb. 4.   | *VICKERS, JAMES WARRY .. ..                               | 3 Cadogan Gardens, S.W. [Hill, N.]   |
| 1893 Dec. 5.   | *VIGERS, ARTHUR EVAN .. ..                                | 210 Marylebone Road, W.  |
| 1896 Dec. 1.   | VILLIERS, BERTRAM MONTAGU ..                              | {Ambleside, Seapoint, Cape Town,<br>C.C.   |
| 1887 Dec. 6.   | VILLIERS, JOSIAS EDWARD DE                                | {Ministry of Finance, Zagazig,<br>Egypt.   |
| 1896 Apr. 14.  | {*VILLIERS-STUART, MAURICE<br>AMERSE .. .. .}             | Boro' Surveyor, Newbury.   |
| 1897 Mar. 2.   | *VINCENT, SAMUEL JOSEPH LEE ..                            | Town Hall, Sheffield.  |
| 1877 Dec. 4.   | *VINT, GEORGE EDWARD .. ..                                | Glenville, Walton-on-Thames.   |
| 1886 Jan. 12.  | {*VINTER, WALTER FREDERICK,<br>B.A. (Cantab.) .. .. .}    | Quinta de San Vitorio, Betanzos,<br>Spain.   |
| 1894 Jan. 9.   | {VIQUEIRA, JOSÉ LOPEZ-CORTON,<br>B.A. (Madrid) .. .. .}   | P.W.D., Poona, India.  |
| 1887 May 3.    | {VISVESVARAIYA, MOKSHAGUN-<br>DAM, B.A. (Madras) .. .. .} | Hugh Vivian, Camborne, Cornwall.   |
| 1868 Dec. 1.   | VIVIAN, HENRY ANDREW .. ..                                | P.W.D., Vellore, Madras.   |
| 1880 Apr. 6.   | VIVIAN, WALTER MORRISON .. ..                             | Ry. Dept., Bridge St., Sydney, N.S.W.  |
| 1887 Jan. 11.  | *VOGAN, HAROLD SEBASTIAN .. ..                            | 1 Fordwych Rd., Brondesbury, N.W.  |
| 1882 Dec. 5.   | *VOYSEY, HENRY WESLEY .. ..                               |  |

|                |                          |   |
|----------------|--------------------------|---|
| ✠ 1887 Dec. 6. | *WACKRILL, ALFRED EDWARD | {Surveyor-General's Office, Colombo,<br>Ceylon. |
| 1888 Feb. 7.   | *WADDELL, GEORGE .. .. . | P.W.D., Mahe, Seychelles.                       |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                  |   |   |
|------------------|---|---|
| 1883 Feb. 6.     | { WADDELL, JOHN ALEXANDER<br>LOW, Ma.E. ( <i>Rensselaer</i><br><i>Polytechnic Institute</i> ) .. .. } | Keith & Perry Building, Kansas<br>City, Mo., U.S.         |
| 1890 Dec. 2.     | WADDELL, WILLIAM .. ..  | 5 Romilly Road, Barry, Cardiff.                           |
| 1893 May 16.     | { WADDINGTON, JOSHUA ARTHUR<br>PAGET .. .. . }  | Court House, Marylebone Lane, W.                          |
| 1883 Dec. 4.     | *WADDINGTON, RICHARD .. ..  | { 35 King William Street, E.C.<br>(Bank 518.)             |
| 1888 Feb. 7.     | *WADDINGTON, SAMUEL SUGDEN  | { 35 King William Street, E.C.<br>(Bank 518.)             |
| 1893 May 2.      | { *WADE, EDWARD HYDE ROBERT<br>WYBRANTS .. .. . }   | Railway Avenue, Maradana, Co-<br>lombo, Ceylon.           |
| 1894 May 1.      | *WADE, HENRY JAMES SEATON   | Great Central Ry., Lutterworth.                           |
| 1894 Dec. 4.     | *WADE, JAMES SCARGILL .. ..   | Railway Dept., Sydney, N.S.W.                             |
| 1889 Dec. 3.     | { WADE, LESLIE AUGUSTUS BUR-<br>TON .. .. . }   | Water Conservation Branch, Mines<br>Dept., Sydney, N.S.W. |
| 1896 Mar. 3.     | WADE, WILLIAM REGINALD .. ..  | The Mount, Henbury, Macclesfield.                         |
| 1891 Feb. 3.     | { *WADHAM, WALTER FRANCIS<br>AINSLIE, M.A. ( <i>Cantab.</i> ) .. .. }                                 | Millwood, Dalton-in-Furness.                              |
| 1873 Dec. 2.     | { WADIA, NOWROSJEE NESSER-<br>WANJEE, C.I.E. .. .. . }  | Bella Vista, Cumballa Hill, Bombay.                       |
| 1898 Mar. 1.     | WAGSTAFF, EDWARD WYNTER   | Railway, Rangoon, Burma.                                  |
| 1894 Mar. 6.     | WAGSTAFF, WILLIAM HENRY   | 57 Salter Gate, Chesterfield.                             |
| 1888 Jan. 10.    | *WAILES, GEORGE HERBERT .. ..   | Rounton, Watford.   |
| 1897 Apr. 6.     | WAINWRIGHT, HARRY SMITH .. ..   | Carriage Dept., S. E. Ry., Ashford.                       |
| 1894 Mar. 6.     | { *WAITE, EDWARD WILLIAM<br>WILKINS .. .. . }   | Gas & Waterworks, Barry, Cardiff.                         |
| 1882 May 23.     | *WAKEFIELD, HENRY TYNDALL   | { County Council, Spring Gardens,<br>S.W.                 |
| 1894 Feb. 6.     | WAKEFORD, JOHN PERCY .. ..  | Waterworks Dept., Harrogate.                              |
| 1883 Dec. 4.     | WAKELAM, HENRY TITUS .. ..  | County Surveyor, Hereford.                                |
| 1888 Apr. 10.    | WALDRON, FRANK WILLIAM .. ..  | P.W.D., Cape Town, Cape Colony.                           |
| m ✱ 1896 May 19. | *WALES, WILLIAM GARNEYS .. ..   | { Surrey Commercial Docks, Rother-<br>hithe, S.E.         |
| 1897 Apr. 6.     | WALKER, ALBERT HARRY .. ..  | Boro' Surveyor, Loughborough.                             |
| 1888 Dec. 4.     | WALKER, ALEXANDER .. ..   | Arauco Co., Coronel, Chili.                               |
| 1890 Mar. 4.     | WALKER, ALEXANDER THOMSON   | Waterworks, Reading.                                      |
| 1897 Apr. 6.     | WALKER, ARCHIBALD EDWARD  | East Surrey Water Co., Redhill.                           |
| 1884 Dec. 2.     | WALKER, HERBERT .. ..   | Newcastle Chambers, Nottingham.                           |
| 1892 Apr. 5.     | WALKER, JOSEPH ROBERT .. ..   | Correo Casilla 796, Buenos Aires.                         |
| 1891 Dec. 1.     | *WALKER, MURRAY .. ..   | P.O. Box 50, Cape Town, C.C.                              |
| 1879 Dec. 2.     | WALKER, ROBERT .. ..  | 17 South Mall, Cork.                                      |
| 1891 Dec. 1.     | { *WALKER, ROBERT, Jun.,<br>B.E. ( <i>Royal</i> ) .. .. . }   | 29 Walpole Street, Chelsea, S.W.                          |
| 1885 Dec. 1.     | WALKER, SYDNEY FERRIS .. ..   | { 195 Severn Road, Cardiff (Dynamo,<br>Cardiff.           |
| 1889 Dec. 3.     | WALKER, WILLIAM .. ..   | { Lansdowne Crescent, Hobart, Tas-<br>mania.              |
| 1896 Feb. 4.     | WALKER, WILLIAM DOUGLAS .. ..   | { Ry. Construction Dept., Sydney,<br>N.S.W.               |
| ✱ 1895 May 21.   | WALKER, WILLIAM GEORGE .. ..  | { 47 Victoria Street, S.W. (Versuchen,<br>London).        |
| 1875 Dec. 7.     | *WALKER, ZACCHEUS .. ..   | Fox Hollies Hall, nr. Birmingham.                         |
| 1894 Feb. 6.     | WALL, BENSON PARSICK .. ..  | W. Watson & Co., Bombay.                                  |
| 1879 May 27.     | WALLACE, ALEXANDER .. ..  | 6 Clifford Road, Stirling.                                |
| 1881 Dec. 6.     | *WALLACE, JAMES .. ..   | The Brake, Stravithie, Fife.                              |
| 1890 Dec. 2.     | WALLACE, JAMES DOUGLAS .. ..  | Northcote, Willow Grange, Natal.                          |
| 1880 Dec. 7.     | *WALLACE, JOHN HENRY .. ..  | Cliffdale, Highlands Station, Natal.                      |
| 1882 May 23.     | *WALLACE, LAWRENCE AUBREY   | { H. S. King & Co., 45 Pall Mall,<br>S.W.                 |
| 1895 Dec. 3.     | WALLACE, WILLIAM CARLILE  | Atlas Works, Sheffield.                                   |
| 1893 Mar. 7.     | *WALLER, ARTHUR HERBERT .. ..   | Crooked Rhyding, Brighouse, Yorks.                        |
| 1895 May 21.     | *WALLER, BERTRAM BRAUND .. ..   | 39 Quentin Rd., Blackheath, S.E.                          |



Date of  
Election.

## ASSOCIATE MEMBERS.

|                |  |   |
|----------------|--|---|
| 1896 Dec. 1.   | WALLER, RICHARD FITZARTHUR                             | { N.E. Dundas Tramway, Zeelan,<br>Tasmania.                       |
| 1894 Dec. 4.   | *WALLICH, EDWARD HENRY ..                              | Taiping, Perak, S.S.  |
| 1884 May 27.   | WALLINGTON, JAMES .. ..                                | Rua do Ouvidor 139, Rio de Janeiro.                               |
| 1889 May 21.   | WALLIS-JONES, REGINALD JOHN                            | { 6 Hampstead Mansions, Heath<br>Street, N.W.                     |
| 1879 Feb. 4.   | WALLNUTT, RICHARD .. ..                                | { Harold Street, Northcote, Melbourne,<br>Victoria.               |
| 1883 Feb. 6.   | { *WALROND, THEODORE CHARLES<br>TROUBRIDGE .. .. . }   | 47 Victoria Street, S.W. (Logistics,<br>London.)                  |
| 1885 Feb. 3.   | *WALSH, CHARLES ARROWSMITH                             | King, Hamilton & Co., Calcutta.                                   |
| 1898 Apr. 5.   | WALSH, CHARLES PEREGRINE ..                            | P.W.D., Shillong, Assam.  |
| 1894 Dec. 4.   | WALSH, THOMAS LISTER .. ..                             | Stanley Rd., King's Heath, Birming-                               |
| 1886 Mar. 2.   | *WALTERS, HARRY ERNEST ..                              | 2 Great George Street, S.W. [ham.                                 |
| 1894 Mar. 6.   | WALTON, ALFRED HENRY ..                                | 17 South St., Manchester Square, W.                               |
| ✠ 1885 Dec. 1. | *WANKLYN, FREDERIC LUMB ..                             | Street Ry., Montreal, Canada.                                     |
| 1892 Dec. 6.   | WARD, ARTHUR WILLIAM ..                                | Shandon, Merton Road, Southsea.                                   |
| 1889 May 7.    | *WARD, EDWARD THOMPSON ..                              | Winnington Street, Northwich.                                     |
| 1891 Dec. 1.   | *WARD, FREDERICK DARWENT                               | 3 Cobden Street, Welshpool.                                       |
| 1876 May 2.    | WARD, HENRY THOMAS SIMPSON                             | P.W.D., Colombo, Ceylon.  |
| 1891 Dec. 1.   | WARD, JAMES CARPENTER ..                               | Milford Docks, Milford Haven.                                     |
| 1888 May 1.    | WARD, JOHN .. .. .                                     | Boro' Engineer, Derby.  |
| 1892 May 24.   | WARD, THOMAS .. .. .                                   | Grey Street, Wellington, N.Z.                                     |
| 1888 Dec. 4.   | WARD, THOMAS HENRY .. ..                               | E. I. Ry., Giridih, India.  |
| 1885 Dec. 1.   | *WARD, THOMAS RAWDON ..                                | P.W.D., Colombo, Ceylon.  |
| 1896 Jan. 14.  | *WARD, THOMAS ROBERT JOHN                              | Irrigation Branch, P.W.D., Punjab.                                |
| 1891 Dec. 1.   | { *WARD, THOMAS WILLIAM<br>CHAPMAN, B.E. (Sydney) .. } | Sainsbury, The Avenue, Petersham.<br>Sydney, N.S.W. [S.W.         |
| 1884 Mar. 4.   | *WARD, WILLIAM PETTIT ..                               | Longhedge Works, Wandsworth Rd.,                                  |
| 1887 Dec. 6.   | *WARDE, CHARLES PARRY ..                               | P.W.D., Saidpore, Bengal.   |
| 1877 Dec. 4.   | *WARDLE, JAMES WILLIAM ..                              | Borough Engineer, Longton.  |
| 1892 Jan. 12.  | *WARDROP, CHARLES CAMPBELL                             | 49 Queen Victoria Street, E.C.                                    |
| 1887 Dec. 6.   | WARE, GEORGE WEBB .. ..                                | H. G. Ry., Secunderabad, Deccan.                                  |
| 1895 Dec. 3.   | WARE, STANLEY DAWSON ..                                | { Hyderabad (Deccan) Co., Secun-<br>derabad, India.               |
| 1892 Dec. 6.   | WARING, CHARLES EDWARD ..                              | 1 Charles Street, Cardiff.  |
| 1888 Feb. 7.   | { WARNEFORD, REGINALD WIL-<br>LIAM HENRY .. .. . }     | E. I. Ry., Calcutta.  |
| 1888 Dec. 4.   | WARNER, WILLIAM .. .. .                                | Hope Drive, The Park, Nottingham.                                 |
| 1890 Dec. 2.   | *WARRACK, ROBERT .. .. .                               | Portland, Oregon, U.S.  |
| 1897 Feb. 2.   | *WARREN, HAROLD .. .. .                                | 2 St. Mary's Passage, Cambridge.                                  |
| 1897 Feb. 2.   | { *WARREN, HENRY BONIFANT<br>GORDON .. .. . }          | 19 James Street, Liverpool.                                       |
| 1886 May 4.    | *WARREN, JOHN ALEXANDER ..                             | 115 Wellington Street, Glasgow.                                   |
| 1885 May 19.   | WARREN, WILLIAM .. .. .                                | { Macequee, near Umtali, Manica,<br>South Africa.                 |
| 1842 May 3.    | WARRINER, HENRY .. .. .                                | 6 The Grove, Clapham Road, S.W.                                   |
| 1887 Dec. 6.   | *WASEY, GEORGE KINDERSLEY                              | W. I. P. Ry., Mormugão, Goa, India.                               |
| 1888 Jan. 10.  | WATANABE, KAICHI, B.Sc. (Glas.)                        | Sangu Ry., Yamada Ise, Japan.                                     |
| 1890 Mar. 4.   | { WATERS, HORACE REGINALD,<br>B.E. (Royal) .. .. . }   | Eng.'s Office, Edenderry, King's Co.                              |
| 1895 Feb. 5.   | { WATHEN, HENRY ARTHUR<br>DOUGLAS .. .. . }            | Waterton, Auchmill, Aberdeenshire.                                |
| 1885 Apr. 14.  | WATKEYS, GEORGE .. .. .                                | Goring Road, Llanelly.  |
| 1897 Mar. 2.   | WATKINS, ARTHUR ANDERSON                               | 19 Old Queen St., Westminster, S.W.                               |
| 1883 May 29.   | WATKINS, RICHARD .. .. .                               | { Toxteth Road, Glebe Point, Sydney,<br>N.S.W.                    |
| 1875 Dec. 7.   | WATKINS, STEPHEN .. .. .                               | Prince's Chambers, Wolverhampton                                  |
| 1895 Feb. 5.   | WATKINS, STEPHEN .. .. .                               | Ottoman Railway, Smyrna.  |
| 1891 Dec. 1.   | *WATRINS, WILFRID JOHN ARIS                            | { c.o. E. Watkins, M.D., 8 Cambridge<br>Gardens, Notting Hill, W. |
| 1898 Apr. 5.   | WATSON, CHARLES .. .. .                                | { Feversham House, Bootham Stray,<br>Yorks.                       |

| Date of Election. |  | ASSOCIATE MEMBERS.                          |  |
|-------------------|--|---|--|
| 1891 Feb. 3.      |  | WATSON, CLAUD ROBERT ..                     | Albany Buildings, Victoria St., S.W.                               |
| 1896 Dec. 1.      |  | *WATSON, FRANK LESLIE ..                    | 21 Springfield Mount, Leeds.                                       |
| 1893 Dec. 5.      |  | WATSON, FREDERICK MACKMAN                   | Selwood, Rotherham.  |
| 1894 Dec. 4.      |  | *WATSON, GEORGE .. ..                       | 21 Springfield Mount, Leeds.                                       |
| 1898 Mar. 1.      |  | WATSON, JAMES FALSHAW ..                    | 15 Shaw Lane, Headingley, Leeds.                                   |
| 1886 May 18.      |  | *WATSON, JOHN DUNCAN ..                     | County Buildings, Aberdeen.  |
| 1896 Dec. 1.      |  | WATSON, JOHN LOVEGOOD ..                    | 3 Park Road, Hastings.   |
| 1895 Apr. 2.      |  | WATSON, THOMAS .. ..                        | Geraldton, Western Australia.                                      |
| 1891 Dec. 1.      |  | *WATSON, WILLIAM STEPHEN                    | Box 500, Cape Town, C.C.   |
| m ✚ 1897 Apr. 6.  |  | WATT, THOMAS HARKNESS ..                    | 97 Union Street, Glasgow.  |
| 1878 Feb. 5.      |  | *WATTS, GEORGE KEMPTHORNE                   | { Watson & Co., 7 Waterloo Place, S.W.                             |
| m 1877 May 29.    |  | *WATTS, NICHOLAS .. ..                      | Bank Buildings, Bristol.   |
| 1896 Dec. 1.      |  | *WAY, ARTHUR GEORGE ..                      | 29 Regency St., Westminster, S.W.                                  |
| 1893 Apr. 11.     |  | *WAYNFORTH, HARRY MORTON                    | King's College, Strand, W.C.                                       |
| 1888 Dec. 4.      |  | WEARING, WILLIAM .. ..                      | 9 Ribblesdale Place, Preston.                                      |
| 1891 Apr. 7.      |  | WEAVER, EDWARD .. ..                        | Saltfleet St. Peter's, Louth, Lincs.                               |
| 1882 Dec. 5.      |  | WEAVER, HENRY EDWARD ..                     | { Caixa do Correio 54, Manaus, Amazonas, Brazil.                   |
| 1895 Mar. 5.      |  | WEBB, ARTHUR LEWIS, F.C.H.                  | P.W.D., Cairo, Egypt.  |
| 1886 Dec. 7.      |  | WEBB, RICHARD GEORGE ..                     | { Richardson & Cruddas, Byculla, Bombay.                           |
| 1887 May 3.       |  | *WEBSTER, CHARLES .. ..                     | 164 Duke's Road, Chiswick, W.                                      |
| 1890 Apr. 1.      |  | *WEBSTER, GEORGE JOHNSTON                   | Water Engineer, Oxford, N.Z.                                       |
| 1890 Dec. 2.      |  | WEBSTER, JAMES PHILIP ..                    | { Boro' Engineer, Marrickville, Sydney N.S.W.                      |
| 1875 Apr. 6.      |  | WEBSTER, JOHN .. ..                         | Exning, Newmarket.   |
| 1893 Feb. 7.      |  | *WEEKES ROBERT WILLSHER ..                  | 73 Elliscombe Road, Charlton, S.E.                                 |
| 1885 May 19.      |  | { WEINSCHENCK, GUILHERME<br>BENJAMIN .. ..  | Caixa 27, Santos, Brazil.  |
| 1894 Dec. 4.      |  | *WEIR, WILLIAM PARK .. ..                   | West Villa, Monkstown, co. Cork.                                   |
| 1892 Mar. 1.      |  | { *WEISS, CHARLES THEODORE<br>HELMANN .. .. | { Birch Bank, Christchurch Road, Hampstead, N.W. [Berlin.          |
| 1878 May 7.       |  | *WEISS, HUBERT AUGUST OTTO                  | Stuttgarter Platz 9, Charlottenburg,                               |
| 1880 May 4.       |  | WELCH, ERNEST FREDERICK ..                  | Chargrove Lawn, Cheltenham.  |
| 1886 Jan. 12.     |  | WELCH, JAMES WILLIAM ..                     | 27 Victoria Buildings, Manchester.                                 |
| 1890 Dec. 2.      |  | *WELDON, HERBERT NICOL ..                   | { Union Chambers, Temple Street, Birmingham.                       |
| 1885 Feb. 3.      |  | WELLER, HARRY WRAY .. ..                    | { Campbell & Zell Co., 206 Equitable Building, Boston, Mass., U.S. |
| 1895 Dec. 3.      |  | WELLS, GEORGE JAMES .. ..                   | 23 Springfield Rd., Sale, Manchester.                              |
| m ✚ 1891 Dec. 1.  |  | *WELLS, SIDNEY HERBERT ..                   | Polytechnic Institute, Battersea, S.W.                             |
| 1879 Feb. 4.      |  | WELLSTED, WILLIAM HENRY                     | Prince's Dock Chambers, Hull.                                      |
| 1892 Mar. 1.      |  | WELSH, ALEXANDER .. ..                      | 14 Spotteswoode Street, Edinburgh.                                 |
| 1883 Apr. 3.      |  | WELTON, WILLIAM SHAKESPEARE                 | { 46 Canfield Gardens, Hampstead, N.W.                             |
| 1895 Feb. 5.      |  | *WELTON, WILLIAM SMART ..                   | 73 The Chase, Clapham Common, S.W.                                 |
| 1896 Feb. 4.      |  | WEST, FRANK ADAMSON .. ..                   | 22 Sheppard Street, New Swindon.                                   |
| 1875 Dec. 7.      |  | *WEST, THOMAS EDWARD ..                     | Union Street, Oldham.  |
| 1881 May 3.       |  | WESTERN, MAXIMILIAN RICH.                   | { Broadway Chambers, Westminster, S.W.                             |
| 1887 May 24.      |  | WESTON, HARRY JACOB .. ..                   | 24 Portland Street, Southampton.                                   |
| 1886 Apr. 6.      |  | WHALE, GEORGE .. ..                         | L. & N. W. Ry., Crewe.   |
| 1886 Dec. 7.      |  | *WHATELY, RICHARD .. ..                     | Bombay, Baroda & C. I. Ry., India.                                 |
| 1894 Apr. 3.      |  | *WHEATLEY, HENRY LAWRENCE                   | { City Improvements Co., Caixa 403, Rio de Janeiro.                |
| 1883 Feb. 6.      |  | { WHEELER, GEORGE ROBERT<br>WELBY .. ..     | Town Hall, Westminster, S.W.                                       |
| 1893 Dec. 5.      |  | *WHETHAM, STEPHEN LLOYD ..                  | Eng.'s Office, L. & Y. Ry., Manchester.                            |
| 1885 May 5.       |  | WHIELDON, JOHN HENRY ..                     | 75 Ivydale Road, Nunhead, S.E.                                     |
| 1885 May 19.      |  | { WHINFIELD, JOHN HENRY<br>RICHARD .. ..    | Brambletye, Cavendish Road, Sutton, Surrey.                        |
| 1893 Dec. 5.      |  | WHITAKER, GEORGE REGINALD                   | Touws River, Cape Colony.  |

| Date of Election. | ASSOCIATE MEMBERS.                                 |   |
|-------------------|--|---|
| 1891 Dec. 1.      | *WHITTAKER, JAMES .. ..                            | H. Simon, 20 Mount St., Manchester.                             |
| 1884 Jan. 8.      | WHITE, ALFRED GEORGE .. ..                         | 25 Bucklersbury, E.C.   |
| 1893 Dec. 5.      | WHITE, CHARLES ARTHUR .. ..                        | Balasore, Orissa, India.  |
| 1892 Apr. 5.      | *WHITE, CHARLES STANLEY .. ..                      | { 8 Guilford Place, Russell Square, W.C.                        |
| 1878 Feb. 5.      | *WHITE, EDWIN JAMES .. ..                          | { Lambeth Brass & Iron Co., Short Street, Lambeth, S.E.         |
| 1887 Mar. 1.      | WHITE, GEORGE .. ..                                | The Farm, Mexborough.   |
| m 1894 Dec. 4.    | *WHITE, HENRY THOMAS .. ..                         | { Tower Works, New Brighton, Cheshire.                          |
| 1893 Feb. 7.      | *WHITE, JOHN .. ..                                 | Boro' Engineer, Folkestone.                                     |
| 1890 May 6.       | WHITE, LAWRENCE FLETCHER .. ..                     | Res. Engineer, Brackley, Northants.                             |
| 1893 Dec. 5.      | WHITE, ROBERT HENRY .. ..                          | 23 Alexandra Road, Southport.                                   |
| 1894 Feb. 6.      | WHITE, SYDNEY HERBERT .. ..                        | A. T. Walmisley, 9 Victoria St., S.W.                           |
| 1887 Mar. 1.      | { WHITE, THOMAS CHARLES<br>HUTCHINSON .. ..        | Morvi, Kathiawar, India.  |
| 1896 Mar. 3.      | { WHITE, WILLIAM DONALD<br>WILSON .. ..            | 162 Cambridge Drive, Kelvinside, Glasgow.                       |
| 1897 Dec. 7.      | *WHITE, WILLIAM HERBERT .. ..                      | Manor Farm, Witley, Godalming.                                  |
| 1893 Dec. 5.      | *WHITELAW, JOHN .. ..                              | 31 Albany Street, Edinburgh.                                    |
| 1885 Dec. 1.      | WHITELEY, JOHN JOSEPH .. ..                        | Binny & Co., Madras.  |
| 1893 Dec. 5.      | WHITELOW, EDWARD TURNER .. ..                      | 70 Deansgate, Manchester.                                       |
| 1893 May 2.       | WHITHARD, BROOKE MIDDLEMORE .. ..                  | { Sewell & Crowther, 18 Cockspur Street, S.W.                   |
| 1880 Mar. 2.      | *WHITMORE, LAWRENCE HERSEE .. ..                   | Box 133, Johannesburg, Transvaal.                               |
| 1893 Mar. 7.      | WHITWORTH, THOMPSON .. ..                          | C. Kirk, Alwalton, Peterborough.                                |
| 1896 Jan. 14.     | WHITWORTH, WALTER STANLEY .. ..                    | Koffyfontein Mines, Orange Free State.                          |
| 1892 Dec. 6.      | WHYATT, HENRY GILBERT .. ..                        | Town Hall, Salford.   |
| 1896 May 5.       | WHYTE, JAMES .. ..                                 | { Belfast Waterworks, Newcastle, co. Down.                      |
| 1895 Dec. 3.      | WICKHAM, FRANCIS EDMUND .. ..                      | { Ry. Construction Branch, P.W.D., Sydney, N.S.W.               |
| 1898 Mar. 1.      | *WICKHAM, WILLIAM HENRY .. ..                      | { Hong Kong Electric Co., Hong Kong.                            |
| 1895 Dec. 3.      | { WIELAND, GEORGE CHARLES<br>BRADLEY .. ..         | The Dockyard, Northfleet, Kent.                                 |
| 1884 Dec. 2.      | WIGAN, LEONARD .. ..                               | St. John's, Worcester.  |
| 1893 Jan. 10.     | WIGG, WILLIS .. ..                                 | 150 Fosse Road, Leicester.                                      |
| 1893 Mar. 7.      | WIGNALL, JOHN ROBERT .. ..                         | 54 Station Road, Blackpool.                                     |
| 1876 Mar. 7.      | WILD, JOSEPH HENRY .. ..                           | 10 Norman Avenue, Stoke, Plymouth.                              |
| 1894 Dec. 4.      | WILDER, FRANCIS LANGHAM .. ..                      | Sulham, Pangbourne, Reading.                                    |
| 1888 Feb. 7.      | WILKINSON, EDWARD .. ..                            | { Asst. City Surveyor, Melbourne, Victoria.                     |
| 1885 Feb. 3.      | *WILKINSON, HENRY WALL .. ..                       | 23 Hartfield Road, Eastbourne.                                  |
| 1887 Feb. 1.      | WILKINSON, JAMES PICKLES .. ..                     | { Egremont, Albert Road, Withington, Manchester.                |
| 1890 Apr. 1.      | *WILKINSON, WILLIAM FISCHER .. ..                  | Box 267, Johannesburg, Transvaal.                               |
| 1883 Feb. 6.      | *WILCOX, JOSEPH EDWARD .. ..                       | 63 Temple Row, Birmingham.                                      |
| 1897 Apr. 6.      | WILLEY, HENRY ALFRED .. ..                         | 4 Elm Grove Road, Exeter.                                       |
| 1892 Dec. 6.      | WILLIAMS, ARTHUR EDWARD .. ..                      | Dagenham Dock, Romford.   |
| 1895 Dec. 3.      | { WILLIAMS, ARTHUR EDWARD,<br>B.A. (Cantab.) .. .. | Rotorna, Harrow-on-the-Hill.                                    |
| 1895 Feb. 5.      | *WILLIAMS, ARTHUR JOHN .. ..                       | Naval Works, Gibraltar.   |
| 1895 Dec. 3.      | WILLIAMS, CHARLES BEYNON .. ..                     | P.W.D., Gurdaspur, Punjab.                                      |
| 1881 Apr. 5.      | *WILLIAMS, CLAUDE ST. MAUR .. ..                   | 15 Appian Way, Leeson Park, Dublin.                             |
| 1896 Apr. 14.     | *WILLIAMS, CYRUS JOHN RICHARD .. ..                | Brisbane, Queensland.   |
| 1889 May 7.       | WILLIAMS, ERNEST .. ..                             | { Bewick, Moreing & Co., Hunt Street, Coolgardie, W. Australia. |
| 1892 May 24.      | WILLIAMS, FRANK LIONEL .. ..                       | 7 Valletort Place, Stoke, Devonport.                            |
| 1897 Dec. 7.      | *WILLIAMS, GEORGE BRANSEY .. ..                    | Wheat Hill Farm, Goathland, Yorks.                              |
| 1886 Feb. 2.      | *WILLIAMS, GILBERT PERCY .. ..                     | 14 Victoria Street, S.W.  |
| 1875 May 4.       | WILLIAMS, HUGH .. ..                               | 253 Athol Street, Liverpool.                                    |
| 1881 Feb. 1.      | *WILLIAMS, JOHN HENRY .. ..                        | 48 Halford Rd., Richmond, Surrey.                               |

| Date of Election. |   | ASSOCIATE MEMBERS.  |   |
|-------------------|---|---|---|
| 1885 Dec. 1.      | { | *WILLIAMS, MORGAN J. MANDERS-<br>JERNA, M.A. ( <i>Cantab.</i> ) .. .. | 39 Victoria Street, S.W.  |
| 1870 May 24.      |   | WILLIAMS, RICHARD HARRIS ..   | Cuddra, Par Station, Cornwall.  |
| 1887 Dec. 6.      |   | WILLIAMS, ROBERT .. ..  | { 30 Clement's Lane, E.C. (Egophany,<br>London. 1249.)                    |
| 1897 Feb. 2.      | { | *WILLIAMS, STEPHEN MAYNARD<br>JENOUR .. ..                            | Grindlay & Co., Calcutta.   |
| 1893 Dec. 5.      | { | WILLIAMS, WILLIAM HUM-<br>PHREYS .. ..                                | Old Dock House, Southampton.  |
| 1896 Apr. 14.     |   | WILLIAMS, WILLIAM RICHARD   | Fishguard, South Wales.   |
| m 1871 Dec. 5.    | * | WILLIAMS, WILLIAM WALTON  | Almeria, Spain.   |
| 1896 Feb. 4.      | * | WILLIAMSON, ALFRED ARTHUR   | Fernside, Allen's Road, Southsea.   |
| 1892 Apr. 5.      | * | WILLIAMSON, ANDREW .. ..  | Midland Ry., Saugor, C. P., India.  |
| 1890 Jan. 14.     | * | WILLIAMSON, ARTHUR .. ..  | Town Hall, Blackpool.   |
| 1897 Apr. 6.      |   | WILLIAMSON, FRANCIS STUART  | 99 Cedar Street, New York, U.S.   |
| 1892 Mar. 1.      |   | WILLIAMSON, RICHARD .. ..   | South Lodge, Cockermouth.   |
| 1886 May 18.      | * | WILLINK, WILHEM .. ..   | 35 Copthall Avenue, E.C.  |
| 1890 Apr. 1.      | * | WILLIS, HARRY ATCHISON ..   | { F. C. Cordoba y Rosario, Sante Fé,<br>Argentina.                        |
| 1878 May 28.      | * | WILLIS, ROBERT HENRY .. ..  | 39 Grafton St., Fitzroy Square, W.  |
| 1889 May 7.       |   | WILLIS, WALTER .. ..  | 20 Nottingham Place, W.   |
| 1894 Mar. 6.      |   | WILLIS-VOLLAIRE, GEORGE ..  | 21 Great George Street, S.W.  |
| 1895 Dec. 3.      | { | *WILLMOTT, HERBERT MORTON,<br>F.C.H. .. ..                            | P. W. D., Lower Ganges Canal,<br>Mainpuri, N.W.P., India.                 |
| 1896 Mar. 3.      | { | *WILLS, BERNARD RUSSELL,<br>B.A. ( <i>Cantab.</i> ) .. ..             | 1 Pilgrim's Lane, Hampstead, N.W.   |
| 1884 May 6.       | { | WILSON, ALEXANDER,<br>M.E. ( <i>Royal</i> ) .. ..                     | 22 Homeleigh Road, Nunhead, S.E.  |
| 1891 Mar. 3.      |   | WILSON, ALEXANDER .. ..   | Harbour Dept., Melbourne, Victoria.                                       |
| 1897 Apr. 6.      |   | WILSON, ALEXANDER COWAN   | { Great Central Ry., The Newarke,<br>Leicester.                           |
| 1869 Dec. 7.      |   | WILSON, ALEXANDER FAIRLIE   | Burnbrae, Balfour, N.B.   |
| 1879 Feb. 4.      | * | WILSON, ARTHUR HENRY ..   | Frenchay House, Frenchay, Bristol.  |
| 1889 Apr. 2.      |   | WILSON, ARTHUR PRANGLEY ..  | 353 Mansion House Chambers, E.C.  |
| 1874 Feb. 3.      |   | WILSON, CHARLES GEORGE ..   | 68A Bluff, Yokohama, Japan.   |
| 1892 Dec. 6.      | { | WILSON, CHARLES LOUIS<br>NAPOLEON .. ..                               | Western Villa, Bilston.   |
| 1894 Dec. 4.      |   | WILSON, DANIEL ELLIS .. ..  | 52 Oxford Gardens, Notting Hill, W.                                       |
| 1895 Mar. 5.      | * | WILSON, ERNEST MOORE .. ..  | { Sir Charles Metcalfe, Bart., Grand<br>Parade Buildings, Cape Town, C.C. |
| 1895 Dec. 3.      | * | WILSON, FREDERICK JAMES ..  | Arbuthnot & Co., Madras.  |
| 1898 Mar. 1.      | { | WILSON, GEORGE,<br>M.Sc. ( <i>Victoria.</i> ) .. ..                   | Hulme Hall, Plymouth Grove,<br>Manchester.                                |
| 1892 May 3.       | * | WILSON, HERMAN GEORGE ..  | Heatherbank, Weybridge.   |
| 1879 Mar. 4.      | * | WILSON, JAMES, <i>Pasha</i> .. ..                                     | Cairo, Egypt. [Railway, N.Z.]   |
| ✠ 1887 Dec. 6.    |   | WILSON, JOHN ALEXANDER ..   | P.W. Office, Jackson's, Midland   |
| 1893 Dec. 5.      |   | WILSON, JOHN ROBERT ROBINSON  | { H.M. Inspector of Mines, Newton<br>Park, Leeds.                         |
| 1898 Jan. 11.     |   | WILSON, JOSEPH BOWMAN ..  | Court House, Cockermouth.   |
| 1877 Feb. 6.      |   | WILSON, JOSEPH WILLIAM, Jun.  | South Tower, Crystal Palace, S.E.   |
| 1888 Jan. 10.     | * | WILSON, MAURICE .. ..   | South Tower, Crystal Palace, S.E.   |
| 1895 Dec. 3.      | * | WILSON, NORMAN FORSTER ..   | 10 Cliff Terrace, Kendal.   |
| 1893 Dec. 5.      | { | *WILSON, NORMAN McLEOD<br>RAMSAY .. ..                                | County Surveyor's Office, North-<br>allerton.                             |
| 1894 Jan. 9.      |   | WILSON, PEREGRINE OLIVER ..   | P.O. Box 57, Klerksdorp, Transvaal.                                       |
| 1886 Dec. 7.      |   | WILSON, THOMAS BRIGHT ..  | Holly Vale House, Mellor, Stockport.                                      |
| 1876 Apr. 4.      |   | WILSON, THOMAS PERCEVAL ..  | { Easton, Anderson & Goolden, Broad<br>Sanctuary Chambers, S.W.           |
| 1896 May 5.       |   | WILSON, WILLIAM .. ..   | Board of Works, Melbourne, Victoria.                                      |
| m 1875 Mar. 2.    | * | WILTON, FRANCIS .. ..   | Knoekkeevan, Priest Hill, Caversham,                                      |
| 1871 Dec. 5.      |   | WINCKLER, GEORGE WALTER ..  | Winnipeg, Canada. [Reading.]  |
| 1891 Apr. 7.      |   | WINDER, THOMAS .. ..  | Norfolk Estates Office, Sheffield.  |
| 1873 May 20.      | * | WINDHAM, FRANCIS .. ..  | { Acetylene Gas Light Co., St. Olave's<br>House, Ironmonger Lane, E.C.    |



Date of  
Election.

## ASSOCIATE MEMBERS.

|    |               |   |  |
|----|---------------|---|--|
|    | 1896 Dec. 1.  | WINDLE, JAMES FITZGERALD                                      | County Surveyor's Office, Limerick.                          |
|    | 1886 Feb. 2.  | *WINDOW, EDMUND RICHARD ..                                    | 16 Cook Street, Liverpool.                                   |
|    | 1879 Feb. 4.  | WINSHIP, GEORGE .. ..   | Borough Surveyor, Abingdon.                                  |
|    | 1897 Mar. 2.  | { WINSLOW, GILBERT, B.A. }<br>( <i>Canab.</i> )               | e.o. M. B. Huish, 21 Essex Villas,<br>Phillimore Gardens, W. |
|    | 1877 May 29.  | WINSTANLEY, GEORGE .. ..                                      | Gasworks, Coventry. (Gas, Coventry.)                         |
|    | 1887 Feb. 1.  | WINSTANLEY, WILLIAM .. ..                                     | Gasworks, Newcastle-under-Lyne.                              |
|    | 1895 May 21.  | WINTER, GEORGE BLISS .. ..                                    | S. Indian Ry., Trichinopoly, India.                          |
|    | 1894 Dec. 4.  | WINTER, OLIVER ERNEST .. ..                                   | Vestry Hall, Borough Road, S.E.                              |
|    | 1892 Feb. 2.  | *WISSENDEN, REGINALD .. ..                                    | 50 Canning Road, Croydon.                                    |
|    | 1885 Jan. 13. | WISWALL, FRANCIS .. ..  | Stanley Villas, Runcorn. [ham.                               |
|    | 1875 Dec. 7.  | WITTS, GEORGE BACKHOUSE ..                                    | Hill House, Leckhampton, Cheltenham.                         |
|    | 1895 Jan. 8.  | WITTS, JOHN WILLIAM .. ..                                     | City Engineer's Office, Leeds.                               |
|    | 1895 Jan. 8.  | *WOLFENDEN, BENJAMIN JAMES                                    | Boro' Eng.'s Office, Middlesbrough.                          |
|    | 1889 Dec. 3.  | WOLFF, WILLIAM HENRY .. ..                                    | B.B. & C. I. Ry., Bombay.                                    |
|    | 1881 May 31.  | *WOLLEY-DOD, FRANCIS, F.C.II.                                 | H. S. King & Co., 45 Pall Mall, S.W.                         |
|    | 1892 Apr. 5.  | *WOLLHEIM, ALBERT .. ..                                       | 101 Leadenhall Street, E.C.                                  |
|    | 1888 Jan. 10. | WOLSTENHOLME, JEREMIAH ..                                     | Boro' Engineer, Blackpool.                                   |
|    | 1883 Feb. 6.  | *WOOD, ARTHUR PRESCOTT .. ..                                  | Waterworks, Shanghai, China.                                 |
|    | 1894 Dec. 4.  | *WOOD, FRANCIS .. ..  | Borough Engineer, Bacup.                                     |
|    | 1897 Jan. 12. | WOOD, FREDERICK JAMES .. ..                                   | Hubert Place, Lancaster.                                     |
|    | 1895 Dec. 3.  | WOOD, JAMES HERBERT .. ..                                     | Pacific Co., Pacasmayo, Peru.                                |
|    | 1897 Feb. 2.  | WOOD, JOHN EGERTON .. ..                                      | The Borneo Co., Sarawak, Borneo.                             |
| †  | 1884 Feb. 5.  | WOOD, JOHN MACKWORTH .. ..                                    | 113 Balfour Road, Highbury New                               |
|    | 1887 Dec. 6.  | *WOOD, WALTER GUNNELL .. ..                                   | P. W. D., Faizabad, India. [Park, N.                         |
|    | 1884 Dec. 2.  | *WOOD, WILLIAM .. ..  | Gas Meter Co., 238 Kingsland Rd., E.                         |
|    | 1893 Dec. 5.  | *WOOD, WILLIAM RICHARD .. ..                                  | 10 Inglis Road, Ealing, W.                                   |
|    | 1896 Feb. 4.  | WOODALL, HENRY .. ..  | 9 Bridge St., Westminster, S.W.                              |
|    | 1893 Mar. 7.  | { WOODBURN, ALEXANDER, }<br>B.Sc. ( <i>Glas.</i> ) .. ..      | Grindlay & Co., Calcutta. [Leeds.                            |
|    | 1896 Apr. 14. | *WOOD-HILL, ARTHUR .. ..                                      | Baldry & Yerburgh, Gildersome,                               |
|    | 1881 May 31.  | *WOODS, JOHN .. ..  | 8 Burmester's Chambers, Cape Town,                           |
|    | 1881 Dec. 6.  | { *WOODS, RICHARD JOHN, }<br>M.E. ( <i>Royal</i> ), F.C.H. .. | Coopers Hill, Staines. [C.C.                                 |
|    | 1887 Dec. 6.  | WOODS, VINCENT SYDNEY .. ..                                   | 15 Carlyle Square, S.W.                                      |
|    | 1889 May 21.  | *WOODSIDE, JOHN .. ..   | King, King & Co., Bombay.                                    |
|    | 1893 Jan. 10. | { *WOODWARD, ERNEST ARTHUR }<br>BORAMAN .. ..                 | Waterworks Engineer, Wolverhampton.                          |
|    | 1896 Dec. 1.  | WOODWARD, HARRY PAGE .. ..                                    | 129 Beaufort Street, Chelsea, S.W.                           |
|    | 1894 Feb. 6.  | { *WOODWARD, HENRY RICHARD }<br>KEMP .. ..                    | G.W. Ry., Low Level Station, Wolverhampton.                  |
|    | 1891 Dec. 1.  | *WOODWARD, JOHN HAROLD ..                                     | { 6 Brighton Terrace, Merridale Road,<br>Wolverhampton.      |
|    | 1893 Feb. 7.  | *WOOLCOCK, JOSEPH HENRY ..                                    | Rickerby House, St. Bees.                                    |
|    | 1897 Jan. 12. | { *WOOLMER, HERBERT CHARLES }<br>PALAIRET .. ..               | Box 474, Auckland, New Zealand.                              |
|    | 1897 Apr. 6.  | WOOTTON, HENRY .. ..  | F. C. Oeste, Buenos Aires.                                   |
| m  | 1892 Feb. 2.  | *WORDINGHAM, CHARLES HENRY                                    | { Hazelhurst, Urmoston Lane, Stretford,<br>Manchester.       |
|    | 1882 Feb. 7.  | *WORGER, DOUGLAS FITZGERALD                                   | WaterCo., Southwark Bridge Rd., S.E.                         |
|    | 1892 Jan. 12. | WORMALD, JOHN .. ..   | 14 Victoria Street, S.W. [ham.                               |
|    | 1896 Apr. 14. | WORRALL, FRANK .. ..  | Council Offices, Long Eaton, Nottingham.                     |
|    | 1886 Feb. 2.  | WORSDELL WILSON .. ..   | N.E. Ry., Gateshead-on-Tyne.                                 |
|    | 1896 Apr. 14. | { WORSÖE, ADAM FREDERIC }<br>TRAMPE .. ..                     | Aadals Ironworks, Aadalsbrug,<br>Norway.                     |
|    | 1889 Dec. 3.  | WORTH, REGINALD TURNER ..                                     | Whistlerfield, Siddington, Cheshire.                         |
|    | 1893 Dec. 5.  | { *WORTH, RICHARD GEORGE }<br>HANSFORD .. ..                  | 42 George Street, Plymouth.                                  |
|    | 1894 Dec. 4.  | *WORTHINGTON, ARTHUR .. ..                                    | Ash Lea, Edgeley, Stockport.                                 |
| St | 1885 May 19.  | { *WORTHINGTON, EDGAR, }<br>B.Sc. ( <i>Victoria</i> ) .. ..   | 19 Victoria Street, S.W. (Meeh,<br>London. Westminster 264.) |
|    | 1889 Dec. 3.  | WORTLEY, SAMUEL SHARPE ..                                     | 10 Harbor St., Kingston, Jamaica.                            |
|    | 1895 Jan. 8.  | *WRENCH, FRANCIS HOULTON ..                                   | Town Hall, Sheffield.  |



| Date of Election. |   | ASSOCIATE MEMBERS.                         |   |
|-------------------|---|--|---|
| 1896 Jan. 14.     | { | *WREY, GERALD BOURCHIER<br>SHERARD .. .. . | Tawstock Court, Barnstaple.                                   |
| 1887 May 3.       | { | WREY, PHILIP BOURCHIER<br>SHERARD .. .. .  | Tawstock Court, Barnstaple.                                   |
| 1894 Jan. 9.      | { | WRIGHT, ARTHUR .. .. .                     | 26 Park Crescent, Brighton.                                   |
| 1884 Feb. 5.      | * | WRIGHT, FREDERICK ADLARD ..                | Eug.'s Office, E. I. Ry., Calcutta.                           |
| 1886 Dec. 7.      | * | WRIGHT, HAROLD .. .. .                     | East Indian Ry., Asansol, India.                              |
| 1888 Feb. 7.      | * | WRIGHT, JOHN JAMES .. .. .                 | 46 Dafforne Rd., Upper Tooting, S.W.                          |
| 1890 Feb. 4.      | * | WRIGHT, JOHN ROBERT MOSSE                  | P.W.D., Cape Town, C.C.                                       |
| 1892 Mar. 1.      | * | WRIGHT, THOMAS .. .. .                     | Siemens Brothers & Co., Woolwich.                             |
| 1892 Jan. 12.     | * | WRIXON, HENRY .. .. .                      | { Grosvenor Hotel, Hay Street, Perth,<br>W. Australia.        |
| 1890 May 6.       | * | WYATT, HENRY HERBERT ..                    | { Trinidad Lake Asphalt Paving Co.<br>2 Crosby Square, E.C.   |
| t ✦ 1883 May 29.  | * | WYATT, JAMES WILLIAM, F.C.H.               | St. Cuthbert's Mills, Wells, Somerset.                        |
| 1878 May 7.       | * | WYBROW, GEORGE DIGBY ..                    | { Sylvabelle, Lansdown Road, Bourne-<br>mouth. [St. E.C.      |
| 1894 Dec. 4.      | * | WYLDE, THOMAS .. .. .                      | F. A. Robinson & Co., 54 Old Broad                            |
| 1897 Feb. 2.      | * | WYLLIE, JAMES BROWN .. ..                  | 134 St. Vincent Street, Glasgow.                              |
| 1866 Feb. 6.      | * | WYNDHAM, HENRY .. .. .                     | 9 Victoria Street, S.W.                                       |
| 1861 Feb. 5.      | * | WYNNE, ALBERT AUGUSTUS ..                  | Tigroney, Ovoca, co. Wicklow.                                 |
| 1871 Feb. 7.      | * | WYNNE, FRANCIS GEORGE ..                   | 13 Ashley Gardens, S.W.                                       |
| 1892 Mar. 1.      | * | WYNNE, HENRY EDWARD ..                     | { Northern Counties Ry., Manor-<br>hamilton, Ireland.         |
| 1896 Dec. 1.      | * | WYNNE, HENRY JOHN .. ..                    | Craigielea, Perceval Rd., Inverness.                          |
| 1891 Dec. 1.      | * | WYNNE, THOMAS TRAFFORD ..                  | { H. Newton, St. Paul's Square,<br>Burton-on-Trent.           |
| 1888 Feb. 7.      | * | WYNNE-EDWARDS, HUGH COPNER                 | N.B. Ry. Dock Works, Methil, Fife.                            |
| 1894 Dec. 4.      | * | WYNNE-ROBERTS, ROBERT OWEN                 | Borough Surveyor, Oswestry.                                   |
| 1889 Dec. 3.      | * | WYNTER, GERALD MERRETT ..                  | Ry., Georgetown, British Guiana.                              |
| 1881 May 3.       | * | WYRILL, RALPH HENRY .. ..                  | Guildhall, Swansea.   |
| 1890 Dec. 2.      | * | WYSE, ROBERT ANDERSON ..                   | { F. W. Burrowes, Oakleigh, Ronde-<br>bosch, Cape Town, C.C.  |
| 1895 Dec. 3.      | * | XAVIER, ISIDORE MICHAEL ..                 | Water Dept., Victoria, Hong Kong.                             |
| 1879 Mar. 4.      | * | YABBICOM, THOMAS HENRY ..                  | City Engineer, Bristol.                                       |
| 1887 Feb. 1.      | * | YATES, FRED SPENCER .. ..                  | Town Hall, Waterloo, Liverpool.                               |
| 1884 Dec. 2.      | * | YATES, OSWALD VAYASOUR ..                  | Wellbank, Sandbach, Cheshire.                                 |
| 1895 Mar. 5.      | * | YERBURY, FREDERICK AUGUSTUS                | 17 Victoria Street, S.W.                                      |
| 1895 Dec. 3.      | * | YOCKNEY, VICTOR HANSARD ..                 | Govt. Rys., Tientsin, China.                                  |
| 1891 Dec. 1.      | * | YORK, FRANCIS COLIN .. ..                  | Pacific Ry., Junin, Buenos Aires.                             |
| 1895 Mar. 5.      | * | YORK, HENRY, .. .. .                       | District Council, New Barnet.                                 |
| m ✦ 1895 Apr. 2.  | * | YOUNG, ALFRED ERNEST .. ..                 | Govt. Survey, Perak, S.S.                                     |
| 1892 Jan. 12.     | * | YOUNG, EDWARD HERBERT ..                   | { Central Chambers, South Castle<br>Street, Liverpool.        |
| ✦ 1891 May 12.    | * | YOUNG, EVELYN HENRY .. ..                  | W. Watson & Co., Bombay.                                      |
| ✦ 1889 Mar. 5.    | * | YOUNG, HENRY WILLIAM .. ..                 | Midland Ry., Greymouth, N.Z.                                  |
| ✦ 1893 Dec. 5.    | * | YOUNG, JAMES .. .. .                       | { Glenfintaig House, Spean Bridge,<br>Inverness-shire.        |
| 1882 Feb. 7.      | * | YOUNG, JULES DENT .. .. .                  | 18 York Street, Bath.   |
| 1889 Mar. 5.      | * | YOUNG, ROBERT AUSTIN .. ..                 | Westport, N.Z.  |
| 1889 May 21.      | * | YOUNG, ROBERT GEORGE .. ..                 | County Asylum, Colney Hatch, N.                               |
| 1892 Apr. 5.      | * | YOUNG, WILLIAM CHRISTOPHER                 | Mozufferpore, Tirhoot, Bengal.                                |
| 1882 Dec. 5.      | * | YOUNGER, THOMAS BROWN ..                   | 93 Great Tower Street, E.C.                                   |
| 1871 Apr. 4.      | * | YUILL, WILLIAM .. .. .                     | { Mechanics School of Art, 275 Pitt<br>Street, Sydney, N.S.W. |

Total number of Associate Members .. .. 3,940.

## ASSOCIATES.

[Assoc. Inst. C.E.]

N.B. *Those elected prior to the 2nd of December, 1878, are entitled to the privileges of Corporate Membership, but not those subsequently elected.*

| Date of Election. | ASSOCIATES.   |  |
|-------------------|---|--|
| 1861 May 28.      | ABEL, CHARLES DENTON .. ..                                      | { 28 Southampton Buildings, Chancery Lane, W.C. (Patentable, London. Holborn 109.) |
| 1859 Dec. 6.      | AIRD, JOHN, M.P. .. ..  | { 37 Great George Street, S.W. (Loco., London. Westminster 61.)                    |
| 1886 Dec. 7.      | AIRD, JOHN, Jun. .. ..  |  |
| 1883 Dec. 4.      | ALDRICH, ARTHUR STANHOPE ..                                     | Bunnythorpe, Palmerston North, N.Z.  |
| 1877 Apr. 10.     | { ANNETT, RICHARD CHARLES<br>FRANCIS .. .. . }                  | Municipal Offices, Liverpool.  |
| 1866 Dec. 4.      | { ARDAGH, Sir JOHN CHARLES,<br>Maj.-Gen. R.E., K.C.I.E., C.B. } | Athenæum Club, Pall Mall, S.W.   |
| 1898 Apr. 5.      | { ARMITAGE, ROBERT,<br>B.A. (Cantab.) .. .. }                   | Farnley Lodge, Leeds.  |
| 1886 May 4.       | ARMYTAGH, GEORGE JOHN ..  | Clifton Woodhead, Brighouse.   |
| 1877 Dec. 4.      | BACHE, ALFRED, B.A. (Lond.)                                     | 6 Gordon Road, Ealing, W.  |
| 1889 Feb. 5.      | BACK, FREDERICK .. ..   | Govt. Rys., Hobart, Tasmania.  |
| 1869 Apr. 6.      | { BADGLEY, WILLIAM FRANCIS,<br>Colonel Bombay Staff Corps }     | Exmouth, Devon.  |
| 1896 Dec. 1.      | { BAGGALLAY, CLAUDE, Q.C.,<br>LL.M. (Cantab.) .. .. }           | 20 Elvaston Place, Kensington, S.W.  |
| 1879 May 6.       | { BAIN, JOHN WILLIAM DE-<br>VEREUX .. .. . }                    | Clare, South Australia.  |
| 1881 May 3.       | { BAIRD, ANDREW WILSON,<br>Colonel R.E., C.S.I., F.R.S. }       | H.M. Mint, Calcutta.   |
| 1865 Feb. 7.      | BARCLAY, CHARLES .. ..  | The Manor House, Bayford, Hertford.  |
| 1891 May 5.       | BARLING, JOSEPH .. ..   | Under Secy., P.W.D., Sydney, N.S.W.  |
| 1889 Dec. 3.      | { BARNETT, GEORGE ALFRED,<br>C.I.E. .. .. . }                   | G. I. P. Railway, Bombay.  |
| 1894 Dec. 4.      | BARRY, CHARLES .. ..  | { Parliament Mansions, Victoria Street, S.W.                                       |
| 1895 Dec. 3.      | { BARWICK, FREDERICK MORTIMER,<br>Captain H.M. Indian Marine }  | H.M. Dockyard, Bombay.   |
| 1885 Dec. 1.      | { BASTOS, JOSÉ JOAQUIM DE<br>CARVALHO .. .. . }                 | Rio de Janeiro.  |
| 1882 Apr. 4.      | { BATE, CHARLES M'GUIRE,<br>Major R.E. .. .. . }                | R E. Office, Mauritius.  |
| 1853 Dec. 6.      | BAYLISS, JOHN .. ..   | Bellair, Havant, Hants.  |
| 1864 Feb. 2.      | BAYLISS, SAMUEL .. ..   | { 5 Hanover Terrace, Regent's Park, N.W.   |
| 1868 Feb. 4.      | BEHR, FRITZ BERNARD .. ..                                       |  |
| 1878 May 28.      | { BEVAN, Rev. JAMES OLIVER,<br>M.A. (Cantab.) .. .. }           | 55 Gunterstone Rd., Kensington, W.   |
| 1885 May 19.      | BIRT, Sir WILLIAM .. ..   | { G. E. Ry., Liverpool St. Station, E.C. (Eastman, London.)                        |
| 1886 Dec. 7.      | { BIXBY, WILLIAM HERBERT,<br>Major U.S. Engs. .. .. }           | Custom House, Cincinnati, Ohio, U.S.   |
| 1891 Jan. 13.     | BLISSETT, THOMAS .. ..  | Grindlay & Co., Parliament St., S.W.   |
| 1896 Apr. 14.     | BLOUNT, BERTRAM .. ..   | 2 Broadway, Westminster, S.W.  |

| Date of Election. |                                    | ASSOCIATES.   |  |
|-------------------|------------------------------------|---|--|
| T t               | ✠ 1856 Dec. 2.                     | BOULTON, SAMUEL BAGSTER ..  | { 64 Cannon Street, E.C. (Burboul, London. Bank 547.)  |
|                   | 1892 Dec. 6.                       | BOUSFIELD, JOHN EBENEZER..  | { 4 South Street, Finsbury, E.C. (In-vention, London.) |
|                   | 1881 Feb. 1.                       | { *BOUSFIELD, WILLIAM ROBERT,<br>Q.C., M.P. .. .. .                                     | 2 Crown Office Row, Temple, E.C.                       |
|                   | ✠ { 1841 June 15.<br>1867 Nov. 26. | BOUSTEAD, JOHN .. .. .  | 34 Craven Street, Strand, W.C.                         |
|                   | 1887 Apr. 5.                       | { BOWMAN, FREDERIC HUN-<br>GERFORD, D.Sc. ( <i>Richmond</i> ,<br>U.S.) F.R.S.E. .. .. . | Mayfield, Knutsford, Cheshire.                         |
|                   | ✠ 1865 Feb. 7.                     | BRAND, JAMES .. .. .  | 172 Buchanan Street, Glasgow.                          |
|                   | 1866 Dec. 4.                       | { BRASSEY, Lord, K.C.B., D.C.L.<br>( <i>Oxon.</i> ) .. .. .                             | { 4 Great George Street, S.W. (West-<br>minster 2.)    |
|                   | 1869 Dec. 7.                       | BRISTOW, EBENEZER JOHN ..   | 1 Copthall Buildings, E.C.                             |
|                   | 1864 Feb. 2.                       | BROWNING, ARTHUR GIRAUD..   | 16 Victoria St., S.W. (Friday, London.)                |
|                   | 1852 Dec. 7.                       | BRYDGES, CHARLES JOHN ..  | Hudson Bay Co., Winnipeg, Canada.                      |
|                   | 1869 May 4.                        | BUNTEN, JAMES CLARK .. ..   | { Anderston Foundry, Glasgow. (Afco,<br>Glasgow.)      |
|                   | 1895 Dec. 3.                       | BURT, GEORGE .. .. .  | 19 Grosvenor Road, S.W.                                |
|                   | 1886 Apr. 6.                       | BURT, JOHN MOWLEM .. ..   | 19 Grosvenor Road, S.W.                                |
|                   | 1872 Feb. 6.                       | BUTLER, JAMES WILLIAM ..  | Blyth House, Humber Rd., Blackheath.                   |
|                   |                                    |   |  |
|                   | 1876 Dec. 5.                       | { CALL, CHARLES FREDERIC, Lt.-<br>Colonel R.E. ret. .. .. .                             | Valescure, St. Raphael (Var)<br>France.                |
|                   | 1866 Dec. 4.                       | { CAPPEL, Sir ALBERT JAMES<br>LEPTOC, K.C.I.E. .. .. .                                  | 27 Kensington Court Gardens, S.W.                      |
|                   | ✠ 1880 Feb. 3.                     | CAPPER, ROBERT .. .. .  | 9 Bridge St., Westminster, S.W.                        |
|                   | 1885 Jan. 13.                      | CARD, HENRY .. .. .   | County Surveyor, Lewes. [(2608.)                       |
|                   | 1869 Apr. 6.                       | CARPMAEL, ARTHUR .. .. .  | 24 Southampton Buildings, W.C.                         |
|                   | 1879 May 6.                        | { CARPMAEL, EDWARD,<br>B.A. ( <i>Cantab.</i> ) .. .. .                                  | { The Ives, St. Julian's Farm Road,<br>Norwood, S.E.   |
|                   | 1889 Apr. 2.                       | { CARRUTHERS-WAIN, WILLIAM<br>JAMES .. .. .   | 18 Eldon Street, E.C. (Pentangle,<br>London.)          |
|                   | 1867 May 21.                       | CASTLE, EDWARD JAMES, Q.C.  | 8 King's Bench Walk, Temple, E.C.                      |
|                   | 1873 Feb. 4.                       | CASTLE, HENRY JAMES .. ..   | 37 Bedford Row, W.C.                                   |
|                   | 1865 Feb. 7.                       | { CERERO, RAFAEL, General<br>Royal Spanish Engineers ..                                 | Ingenieros del Ejercito, Madrid.                       |
| T t               | ✠ 1867 May 21.                     | { CHANCE, JAMES TIMMINS,<br>M.A. ( <i>Cantab.</i> ) .. .. .                             | 1 Grand Avenue, Brighton.                              |
|                   | 1879 Mar. 4.                       | CLARK, MATEO .. .. .  | 9 New Broad Street, E.C.                               |
|                   | 1897 Mar. 2.                       | { *CLARKE, EDWARD RUSSELL,<br>B.A. ( <i>Cantab.</i> ) .. .. .                           | 11 King's Bench Walk, Temple, E.C.                     |
|                   | 1872 Feb. 6.                       | CLEGHORN, JOHN .. .. .  | 3 Spring Gardens, S.W.                                 |
|                   | 1868 Apr. 7.                       | CLUTTON, ROBERT GEORGE ..   | 9 Whitehall Place, S.W.                                |
|                   | 1867 Feb. 5.                       | COLBON, JOSEPH PARKIN ..  | 2 Osborne St., Cliftonville, Brighton.                 |
|                   | 1861 May 7.                        | { COLLINSON, THOMAS BERNARD,<br>Maj.-General R.E. ret. ..                               | Little Haven, Ealing, W.                               |
|                   | 1883 Feb. 6.                       | { COOMBS, WILLIAM HERON, Com-<br>mander R.N. .. .. .                                    | Port of Spain, Trinidad.                               |
|                   | 1865 May 5.                        | COPPS, GEORGE .. .. .   | Colne Valley Ry., Halstead.                            |
|                   | 1876 Dec. 5.                       | CORBETT, JOHN .. .. .   | Impney, Droitwich. [S.W.                               |
|                   | 1859 Mar. 1.                       | CORRY, EDWARD .. .. .   | Essex House, West Hill, Putney.                        |
|                   | 1839 Apr. 30.                      | COTTAM, EDWARD .. .. .  | { 78 Shakespearo Road, Drayton                         |
|                   | 1859 Dec. 6.                       |   | Court, Hanwell.  |
|                   | 1890 Apr. 1.                       | COWARD EDWARD .. .. .   | Cotton Mills, Heaton Mersey, Lanes.                    |
|                   | 1885 Dec. 1.                       | COX, EDMUND PENLEY .. ..  | Pernambuco, Brazil.                                    |
|                   | 1874 May 12.                       | { CRAMPTON, THOMAS HILLAS,<br>B.A. ( <i>Cantab.</i> ) .. .. .                           |  |
|                   | 1879 Apr. 1.                       | CRESSWELL, JOHN .. .. .   | Moot Hall, Newcastle-on-Tyne.                          |

Date of  
Election.

ASSOCIATES.

|       |               |   |   |
|-------|---------------|---|---|
|       | 1897 Dec. 7.  | { CRIPPS, CHARLES ALFRED, Q.C.,<br>M.P. . . . . }   | 2 Mitre Court, Temple, E.C.   |
|       | 1877 May 29.  | CROFTON, EDWARD, M.A. ( <i>Dubl.</i> )  | 45 West Cromwell Road, S.W.   |
|       | 1884 May 27.  | CROOKENDEN, ISAAC ADOLPHUS  | { East London Waterworks Co., 15a<br>St. Helen's Place, E.C.          |
|       | 1890 Jan. 11. | { CUBILLO, LEANDRO, Lt.-Col.,<br>Royal Spanish Artillery .. }                             | Trubia, Spain.  |
| ✠     | 1880 Jan. 13. | CUNNINGHAM, WILLIAM MARTIN  | Goff's Oak, Cheshunt, Herts.  |
| T t ✠ | 1882 Dec. 5.  | { CUNNINGHAM, ALLAN JOSEPH<br>CHAMPNEYS, Lt.-Col. R.E. ret. }                             | 20 Essex Villas, Kensington, W.                                       |
|       | 1848 Apr. 4.  | CURREY, HENRY . . . . .   | 37 Norfolk Street, Strand, W.C.                                       |
|       | 1882 May 2.   | CUTBILL, WALTER JOHN CHARLES  | 37 Old Jewry, E.C.  |
|       | 1891 Jan. 13. | DALLAS, JAMES, Captain R.E.   | Military Dept., Supreme Govt., India.                                 |
|       | 1874 Dec. 1.  | DAVIS, ALFRED . . . . .   | { 13 St. Ermin's Mansions, Westminster<br>S.W.                        |
| F     | 1883 Dec. 4.  | { DAWKINS, W. BOYD,<br>M.A. ( <i>Oxon.</i> ), F.R.S. . . . }                              | Woodhurst, Fallowfield, Manchester.                                   |
| t ✠   | 1867 Dec. 3.  | DELANO, WILLIAM HENRY . . .   | 117 Quai de Valmy, Paris. [pool.                                      |
|       | 1877 Dec. 4.  | DE RANCE, CHARLES EUGENE . .  | Fylde Villa, Palatine Road, Black-                                    |
|       | 1874 Apr. 14. | DERWENT, Lord . . . . .   | Hackness Hall, Scarborough.   |
|       | 1891 Dec. 1.  | DONKIN, JOHN BLOYD . . . . .  | Union Club, Sydney, N.S.W.  |
|       | 1875 Apr. 6.  | { DOWDEN, THOMAS FREEMAN,<br>Colonel R.E. ret. . . . . }                                  | Cox & Co., Charing Cross, S.W.  |
|       | 1868 Dec. 1.  | { DUCAT, WALTER MARDON,<br>Colonel R.E. ret. . . . . }                                    | 13 Devonshire Terrace, Lancaster<br>Gate, W.                          |
|       | 1894 Dec. 4.  | DUPRAT, AUGUSTO . . . . .   | { Southern Brazilian Ry., Rio Grande<br>do Sul, Brazil.               |
|       | 1869 Dec. 7.  | { DURNING-LAWRENCE, Sir EDWIN,<br>Bart., B.A., LL.B. ( <i>Lond.</i> ), M.P. }             | 13 Carlton House Terrace, S.W.  |
|       | 1866 Jan. 9.  | { EDGCOMBE, WILLIAM HENRY,<br>Maj.-General R.E. ret. . . }                                | Coopers Hill Lodge, Englefield<br>Green, Staines.                     |
|       | 1876 Dec. 5.  | ELLIS, BASIL PYM . . . . .  | 59 Belvedere Road, Lambeth, S.E.                                      |
|       | 1857 Feb. 3.  | EPSTEIN, LÉON . . . . .   | Warsaw, Poland.   |
|       | 1872 Dec. 3.  | { EVANS, Sir FRANCIS HENRY,<br>K.C.M.G., M.P. . . . . }                                   | Tubbendens, Orpington, Kent.  |
| L ✠   | 1859 Dec. 6.  | { EVANS, Sir JOHN, K.C.B., D.C.L.,<br>( <i>Oxon.</i> ), D.Sc. ( <i>Canab.</i> ), F.R.S. } | Nash Mills, Hemel Hempstead.  |
|       | 1868 Feb. 4.  | FAVIELL, WILLIAM FREDERICK  | Sandhurst, Tunbridge Wells.   |
|       | 1863 Mar. 3.  | FELL, JOHN BARRACLOUGH . . .  | 68 Leyland Road, Southport.   |
|       | 1866 Jan. 9.  | FENTON, Sir MYLES . . . . .   | Ridge Green, South Nutfield, Surrey.                                  |
|       | 1877 Feb. 6.  | FENWICK, GEORGE TOWNSEND  | Forres Park, Trinidad.  |
|       | 1844 Apr. 2.  | FERRIÈRES, Baron Du Bois DE   | Bayshill House, Cheltenham. [munds.                                   |
|       | 1864 May 1.   | FIELD, SIDNEY . . . . .   | Ashfield Lodge, near Bury St. Ed.                                     |
|       | 1877 Mar. 29. | { FIREBRACE, FREDERICK, Colonel<br>R.E. . . . . }   | 28 Old Queen Street, Westminster,<br>S.W.                             |
|       | 1865 Mar. 7.  | FORBES, JAMES STAATS . . . . .  | { L. C. & D. Ry., Victoria, S.W. (West-<br>minster 170.)              |
|       | 1852 May 4.   | { FORREST, JAMES ( <i>Honorary</i><br>Secretary.)   | Great George Street, S.W. (Insti-<br>tution, London. Westminster 51.) |
|       | 1896 Dec. 1.  | { FREEMAN, GEORGE MALLOWS,<br>B.A. ( <i>Oxon.</i> ), Q.C. . . . }                         | 33 Phillimore Gardens, W.   |
|       | 1871 Feb. 7.  | FREEMAN, WILLIAM GEORGE   | { c.o. Freeman, Sons & Co., 27 Old<br>Queen St., Westminster, S.W.    |
|       | 1895 Dec. 3.  | FREEMAN, WILLIAM ROBERT   | 19 Grosvenor Road, S.W.   |
|       | 1875 Jan. 12. | { FREIRE, RICHARD TUDOR,<br>Lt.-Colonel R.E. ret. . . . }                                 | Northcroft, Dulwich Common, S.E.                                      |
|       | 1864 Feb. 2.  | FURNESS, GEORGE . . . . .   | The Grange, Willesden Green, N.W.                                     |



| Date of Election. | ASSOCIATES.   |  |
|-------------------|---|--|
| 1889 Feb. 5.      | GARNETT, WILLIAM TERRELL  | Undercliffe House, Bradford.                                 |
| 1896 Jan. 14.     | GIBB, GEORGE STEGMANN ..  | General Manager, N.E. Ry., York.                             |
| 1895 Dec. 3.      | { GIBBON, JAMES AUBREY, <i>Captain</i> R.E. .. .. }                         | P. W. D., Jhansi, India.                                     |
| 1876 Dec. 5.      | GIBBS, WILLIAM HENRY ..   | Cedars Estate, West Kensington.                              |
| 1883 Jan. 9.      | GODFREY, GEORGE BROWN ..  | 12 Victoria Street, S.W.                                     |
| 1878 Mar. 5.      | { GORDON, EDWARD SMITH, <i>Colonel</i> R.A. <i>ret.</i> .. .. }             | 16 Howley Place, Paddington, W.                              |
| 1878 Feb. 5.      | GRIFFITHS, HENRY .. ..  | 48 Manor Park Rd., Harlesden, N.W.                           |
| 1872 Apr. 9.      | GRINLINTON, Sir JOHN JOSEPH   | { Rose Hill, Middle Wallop, Stockbridge, Hants.              |
| 1872 May 7.       | GÜMPPEL, CHARLES GODFREY ..   | 3 Elm Road, Beckenham.                                       |
| 1874 Dec. 1.      | GUNN, WILLIAM CECIL .. ..   | 7A Laurence Pountney Hill, E.C.                              |
| 1878 Mar. 5.      | { HAMMOND, GEORGE CRISPIN, <i>Commander</i> R.N. .. .. }                    | 5 Beacon Terrace, Falmouth.                                  |
| 1871 Dec. 5.      | HARDING, JOSEPH RAKE .. ..  | Local Board of Health, Epsom.                                |
| 1866 May 15.      | HARGROVE, JAMES SIDNEY ..   | 16 Victoria Street, S.W.                                     |
| 1887 Dec. 6.      | { HARRISON, Sir RICHARD, <i>General</i> R.E., K.C.B., C.M.G. .. }           | Hawley Hill, Blackwater, Hants.                              |
| 1875 Apr. 6.      | HART, CHARLES FREDERICK ..  | Devizes, Wilts.  |
| 1858 Apr. 13.     | HAWKINS, WILLIAM BAILEY ..  | { 39 Lombard Street, E.C.<br>(Bailey Hawkins, London.)       |
| 1872 Mar. 5.      | { HAYDON, WILLIAM HENRY, <i>Lt.-Colonel</i> R.E. <i>ret.</i> .. .. }        | Malmesbury, Wilts.   |
| 1881 Dec. 6.      | { HEATHORN, THOMAS BRIDGES, <i>Captain</i> R.A. <i>ret.</i> .. .. }         | 10 Wilton Place, S.W. (Kamar, London.)                       |
| 1855 Feb. 6.      | HEDGER, PHILIP .. ..  | Coulsdon, The Avenue, Surbiton.                              |
| 1869 Dec. 7.      | HEWITT, ABRAM STEVENS ..  | New York, U.S.   |
| 1851 Apr. 1.      | HILL, JULIAN .. ..  | 8 Dean's Yard, Westminster, S.W.                             |
| 1885 Dec. 1.      | HILL, VINCENT WALKER ..   | Hull and Barnsley Railway, Hull.                             |
| 1876 Jan. 11.     | { HIME, ALBERT HENRY, <i>Lt.-Colonel</i> R.E. <i>ret.</i> , C.M.G. .. }     | Maritzburg, Natal.   |
| 1878 Feb. 5.      | HODGES, WILLIAM HENRY ..  | Ash Tree House, Osmaston Rd., Derby.                         |
| 1876 May 30.      | HODGSON, HENRY TYLSTON ..   | Harpenden, Herts.  |
| 1868 Dec. 1.      | HOLGATE, JOHN THOMAS ..   | Elmfield, Ashted, Surrey.                                    |
| 1881 Mar. 1.      | HOLLINGS, JAMES SPENCER ..  | 249 Birchfield Rd., Handsworth, Staffs.                      |
| 1877 Mar. 6.      | HOLME, ARTHUR HILL .. ..  | { Delfield, Aigburth, near Liverpool.<br>(Holme, Liverpool.) |
| ✠ 1886 Feb. 2.    | HOPE, WILLIAM .. ..   | 10 Blackstock Street, Liverpool.                             |
| 1897 Mar. 2.      | HOPKINSON, JOHN .. ..   | { 34 Margaret Street, Cavendish Square, W.                   |
| 1867 Dec. 3.      | HOWARD, JOHN .. ..  | 17 Victoria Street, S.W.                                     |
| 1862 Jan. 14.     | HUNT, HENRY ARTHUR .. ..  | 45 Parliament Street, S.W.                                   |
| 1865 Apr. 4.      | HUTCHINSON, ALFRED .. ..  | 62 Highbury Park, N.   |
| 1874 Mar. 3.      | { HUTCHINSON, CHARLES SCROPE, <i>Maj.-Gen.</i> R.E. <i>ret.</i> , C.B. .. } | 14 Kidbrook Park Rd., Blackheath, S.E.                       |
| 1858 Dec. 7.      | ISAACS, LEWIS HENRY .. ..   | 3 Verulam Buildings, Gray's Inn, W.C.                        |
| 1879 Feb. 4.      | IZARD, FRANCIS HENRY .. ..  | 9 Montpellier Grove, Cheltenham.                             |
| 1887 May 3.       | JACKSON, Sir JOHN, F.R.S.E.   | 3 Victoria Street, S.W.                                      |
| ✠ 1876 Feb. 1.    | { JACOB, SAMUEL SWINTON, <i>Col.</i> Indian Staff Corps, C.I.E. .. }        | H. S. King & Co., 45 Pall Mall, S.W.                         |
| 1866 Feb. 6.      | JAMES, FREDERICK .. ..  | 48 Tregunter Rd., Brompton, S.W.                             |
| 1876 Dec. 5.      | JAMES, JOHN WILLIAM .. ..   | Tanasari, Blakehurst, N.S.W.                                 |
| C ✠ 1891 Dec. 1.  | { JARINTZOFF, DMITRI THEODOR, <i>General</i> I.R.N. .. .. }                 | Admiralty, St. Petersburg.                                   |



| Date of Election. |     | ASSOCIATES.  |   |
|-------------------|-----|--|---|
| 1876 Apr.         | 4.  | JEFFERIES, THOMAS .. ..  | Newbay, Wexford. [born 356.]                      |
| 1865 May          | 2.  | JOHNSON, JOHN HENRY .. ..  | 47 Lincoln's Inn Fields, W.C. (Hol-               |
| 1887 Dec.         | 6.  | JORDAN, WILLIAM LEIGHTON ..  | 25 Jermyn Street, S.W.                            |
| 1894 Dec.         | 4.  | JUDD, JOSEPH HENRY .. ..   | { Ferncliffe, Hawthorn Grove, Heaton Moor, Lanes. |
| 1870 May          | 3.  | KENDREW, JOHN ANTHONY ..   | The Ollands, Reepham, nr. Norwich.                |
| 1885 Dec.         | 1.  | { KERNOT, Professor WILLIAM ..<br>CHARLES .. .. .. }                             | University, Melbourne, Victoria.                  |
| 1871 Dec.         | 5.  | { LAMBERT, EDWARD TILEY, }<br>B.A. ( <i>Cantab.</i> ) .. .. .                    | Telham Court, Battle.                             |
| 1884 Dec.         | 2.  | LASS, ALFRED .. .. .   | 30 Gracechurch Street, E.C.                       |
| 1861 Mar.         | 5.  | LEE, JOHN COCKBURN FRANCIS   | 42 Gloucester Gardens, Hyde Park, W.              |
| 1888 May          | 15. | { LEWIS, HENRY FREDERICK }<br>WILLIAM .. .. .                                    | 48 Sydenham Road, Croydon.                        |
| 1877 May          | 29. | { LIMA, PEDRO BENJAMIN DE CER-<br>QUEIRA, <i>Admiral Braz. Navy</i> }            | Cosme Velho 35, Rio de Janeiro.                   |
| 1881 Feb.         | 1.  | { LINGARD - MONK, RICHARD }<br>BOUGHEY MONK .. .. .                              | Great Central Ry., Manchester.                    |
| 1897 Dec.         | 7.  | LISBÔA, MIGUEL RIBEIRO ..  | { 133 Rua Primeiro de Março, Rio de Janeiro.      |
| 1877 May          | 1.  | { LITTLER, RALPH DANIEL }<br>MAKINSON, C.B., Q.C. ..                             | 6 Pump Court, Temple, E.C. (Hol-born 46.)         |
| 1876 May          | 2.  | LLOYD, GEORGE BRAITHWAITE  | Edgbaston Grove, Birmingham.                      |
| 1883 Dec.         | 4.  | LORIMER, WILLIAM .. ..   | Glasgow Loco. Works, Glasgow.                     |
| 1865 Mar.         | 7.  | LOVATT, HENRY .. .. .  | Darlington Street, Wolverhampton.                 |
| 1879 Dec.         | 2.  | LUCAS, ARTHUR CHARLES ..   | 37 Great George Street, S.W. (Loco.               |
| 1864 Dec.         | 6.  | LUCAS, Sir THOMAS, <i>Bart.</i> ..   | London. Westminster 61.)                          |
| 1882 Dec.         | 5.  | LYTE, FARNHAM MAXWELL ..   | 60 Finborough Rd., Kensington, S.W.               |
| 1893 Jan.         | 10. | MACAULAY, FREDERIC JULIUS  | L.&S.W.Ry., Waterloo Bridge, S.E.                 |
| 1880 Mar.         | 2.  | { MCCALLUM, Sir HENRY ED-<br>WARD, <i>Major R.E., K.C.M.G.</i> }                 |   |
| 1890 Dec.         | 2.  | MCCORMICK, JOHN .. .. .  | West End, Brisbane, Queensland.                   |
| 1881 Dec.         | 6.  | { McILWRAITH, Sir THOMAS, }<br>K.C.M.G., LL.D. ( <i>Glas.</i> ) ..               | Brisbane, Queensland.                             |
| 1873 Jan.         | 14. | MACKAY, JOHN .. .. .   | South Bank, Hereford.                             |
| 1851 Jan.         | 21. | { McKERLIE, Sir JOHN GRAHAM, }<br>Colonel R.E. ret., K.C.B. ..                   | 9 Clifton Terrace, Monkstown, Dublin.             |
| 1868 Apr.         | 7.  | { MACKWORTH, Sir ARTHUR }<br>WILLIAM, <i>Bart.</i> , Col. R.E.,<br>C.B. .. .. .  | South Camp, Aldershot.                            |
| 1872 Dec.         | 3.  | { McNAIR, JOHN FREDERICK }<br>ADOLPHUS, <i>Major R.A., C.M.G.</i> }              | Scotia, Preston Park, Brighton.                   |
| 1888 May          | 15. | { MANN, JAMES ROBERT, <i>Maj.-</i><br>General R.E. ret., C.M.G. }                | 120 Cromwell Road, S.W.                           |
| 1865 Feb.         | 7.  | { MAPPIN, Sir FREDERICK THORPE, }<br>Bart., M.P. .. .. .                         | 38 Prince's Gate, S.W.                            |
| 1864 Apr.         | 5.  | MARTIN, SAMUEL GARLICK ..  | { The Bury, Heath-Reach, Leighton Buzzard.        |
| 1892 Dec.         | 6.  | { *MARTIN, WILLIAM, M.A. ( <i>Cantab.</i> ),<br>LL.B. ( <i>Lond.</i> ) .. .. . } | Patent Office, Southampton Build-ings, W.C.       |
| ✠ 1857 Mar.       | 3.  | { MARTINDALE, BEN HAY, <i>Colonel</i> }<br>R.E. ret., C.B. .. .. .               | The Cottage, Albury, Surrey.                      |
| 1880 Dec.         | 7.  | MATTHEY, GEORGE, F.R.S. ..   | 75 Hatton Garden, E.C.                            |
| 1859 Apr.         | 5.  | MEREDITH, JOHN BULT .. ..  | College Wharf, Belvedere Road, S.E.               |
| 1856 Mar.         | 4.  | METFORD, WILLIAM ELLIS ..  | Elma Lane, Upper Redland, Bristol.                |
| 1882 Dec.         | 5.  | MEYER, HENRY CODDINGTON ..   | 100 William St., New York, U.S.                   |

|       | Date of Election. | ASSOCIATES.   |   |
|-------|-------------------|---|---|
|       | 1877 Apr. 10.     | MIDDLETON, JOHN THOMAS ..   | Banbury Rd., Brackley, Northants.             |
|       | 1879 Apr. 1.      | MILLYARD, JOHN WILLIAM ..   | Littlebridge, Bromyard, Worcester.            |
|       | 1879 May 27.      | MOBERLY, GEORGE ERNEST ..   | Orwell Works, Ipswich.                        |
|       | 1887 Dec. 6.      | MORGAN, JOSEPH BOND ..  | Stand House, Childwall, Liverpool.            |
|       | 1879 May 27.      | MORRIS, JAMES ..  | Dean Lane, Bombay.                            |
| m     | 1873 May 20.      | *MORT, FREDERICK HARRY ..   | c/o. Parr's Bank, Widnes, Lanes.              |
|       | 1883 May 1.       | MOULTON, JOHN FLETCHER, Q.C.  | 57 Onslow Square, S.W.                        |
|       | 1877 May 1.       | MOUSLEY, JAMES ALFRED ..  | St. Germain, St. Albans.                      |
|       | 1879 May 6.       | MOUSLEY, WILLIAM THOMAS ..  | Fair Oak House, Rugeley, Staffs.              |
|       | 1898 Jan. 11.     | {MURRAY, Rt. Hon. ANDREW<br>GRAHAM, Q.C., M.P. ..}                                | Stenton, Perthshire.                          |
|       | 1897 Feb. 2.      | {NARES, Sir GEORGE STRONG,<br>K.C.B., Vice-Admiral ..}                            | 5 King Street, Westminster, S.W.              |
|       | 1879 Dec. 2.      | {NEWMARCH GEORGE, Maj.-<br>General R.E. ret. ..}                                  | 6 Norfolk Terrace, Brighton.                  |
|       | 1879 Feb. 4.      | NEWTON, FRANCIS MURRAY ..   | Barton Grange, Taunton. (London.)             |
|       | 1878 Mar. 5.      | NEWTON, GEORGE BOLLAND ..   | N.L. Ry., Euston, N.W. (Railing,              |
|       | 1872 Dec. 3.      | {NICHOLSON, Sir WILLIAM GUS-<br>TAVUS, Brig-General R.E.,<br>K.C.B. .. .. .}      | Murree, Punjab.                               |
|       | 1878 Feb. 5.      | NOTMAN, HENRY WILKES ..   | {Cholmley Lodge, West End, Kilburn,<br>N.W.   |
|       | 1866 Mar. 6.      | OAKLEY, Sir HENRY ..  | G. N. Ry., King's Cross, N.                   |
| T t † | 1866 Feb. 6.      | {O'CONNELL, PETER PIERCE<br>LYONS, Maj.-Gen. R.E. ret. }                          | Sibertswood, Highland Road,<br>Bromley, Kent. |
|       | 1868 Mar. 3.      | OGILVIE, PATRICK ..   | Hambledon, Hants.                             |
| †     | 1878 Feb. 5.      | OGSTON, GEORGE HENRY ..   | 39 Lime Street, E.C.                          |
|       | 1883 Feb. 6.      | {OLIVIER, HENRY DACRES, Major<br>R.E. .. .. .}                                    | Grindlay, Groom & Co., Bombay.                |
|       | 1897 Mar. 2.      | PAGE, WALTER FINCH ..   | State Rys., Shinbashi, Tokio, Japan.          |
|       | 1872 Apr. 9.      | PAGET, BERKELEY ..  | 2 Laurence Pountney Hill, E.C.                |
|       | 1891 May 12.      | {PAGET, Sir GEORGE ERNEST,<br>Bart. .. .. .}                                      | Sutton Bonnington, Loughborough.              |
|       | 1877 Jan. 16.     | PAIN, COARD SQUARE ..   | 14 North John Street, Liverpool.              |
|       | 1891 Feb. 3.      | {*PAUL, ERNEST MONCREIFF,<br>Captain R.E. .. .. .}                                | R.E. Office, Harwich.                         |
|       | 1895 Dec. 3.      | {PAULING, GEORGE CRAIG<br>SAUNDERS .. .. .}                                       | 28 Victoria Street, S.W. [ment, W.C.          |
|       | 1872 Dec. 3.      | PAYNE, ALEXANDER ..   | Norfolk House, Victoria Embank-               |
|       | 1869 Dec. 7.      | {PEASE, Sir JOSEPH WHITWELL,<br>Bart., M.P. .. .. .}                              | Hutton Hall, Guisborough.                     |
|       | 1876 May 30.      | {PEILE, FRED. WESTON, Lt.-<br>General R.E. ret. .. .. .}                          | Broomhill, Inverness, N.B.                    |
|       | 1876 Feb. 1.      | {PENBERTON, ROBERT CHARLES<br>BOILEAU, Maj.-General R.E.<br>ret., C.S.I. .. .. .} | 13 Cresswell Gardens, S.W. [stone.            |
|       | 1844 Mar. 5.      | PEPPER, JOHN HENRY ..   | Ifield Villa, Colworth Road, Leyton-          |
|       | 1878 Mar. 5.      | PERKS, ROBERT WILLIAM, M.P.   | 11 Kensington Palace Gardens, W.              |
|       | 1888 Dec. 4.      | PERRY, WILLIAM ALFRED ..  | Henry R. Worthington, New York,               |
|       | 1885 Apr. 14.     | PESTONJEE, NOWROJEE ..  | Ahmedabad, India. [U.S.                       |
| T †   | 1860 Mar. 6.      | PHILLIPS, JOSEPH ..   | 11 Victoria Street, S.W.                      |
|       | 1862 Mar. 4.      | PICKERING, JOHN ..  | 110 Lexham Gardens, S.W.                      |
|       | 1871 Feb. 7.      | PIDGEON, DANIEL ..  | The Long House, Leatherhead.                  |
|       | 1849 Apr. 3.      | PIPER, WILLIAM ..   | Beechwood, Highgate, N.                       |
|       | 1869 Dec. 7.      | {POLLARD, CHARLES, Lt.-General<br>R.E. .. .. .}                                   | Grindlay & Co., Parliament St., S.W.          |
|       | 1897 Dec. 7.      | PRICE, JOHN ..  | 15 Great George Street, S.W.                  |
|       | 1872 Jan. 9.      | PYE-SMITH, ARTHUR ..  | St. Pancras Ironworks, N.W.                   |

Date of  
Election.

## ASSOCIATES.

|       |               |  |   |
|-------|---------------|--|---|
|       | 1891 Mar. 3.  | RADCLIFFE, ALEXANDER NELSON  | { 20 Craven St., Strand, W.C. (Drac-<br>cliffe, London. Gerrard 2505.)  |
|       | 1898 Jan. 11. | { RADCLIFFE, PHILIP JOHN<br>JOSEPH, <i>Captain</i> R.E. .. }                                     | Manor House, Alphington, Exeter.  |
|       | 1897 Dec. 7.  | RAILTON, JAMES, JUN. .. ..   | Walcote Lodge, Lutterworth.   |
|       | 1883 Dec. 4.  | RANDALL, JOSEPH .. ..  | Warren Lane Works, Woolwich.  |
| T t ✕ | 1872 Feb. 6.  | REDGRAVE, GILBERT RICHARD  | { The Elms, Westgate Rd., Beckenham.<br>(Olefant, London.)  |
| t ✕   | 1892 Jan. 12. | REDWOOD, BOVERTON, F.R.S.E.  | { 4 Bishopsgate St. Within, E.C.  |
|       | 1859 Feb. 1.  | REID, JAMES .. .. .  | 12 Wharf Road, City Road, N.  |
|       | 1872 May 7.   | *REYNOLDS, THOMAS .. ..  | { 18 St. Swithin's Lane, E.C.<br>(Reynolds, London.)  |
|       | 1870 Mar. 1.  | { RICARDE - SEAVER, FRANCIS<br>IGNACIO, <i>Major</i> Argentine<br>Gort. Service ret., F.R.S.E. } | Athenæum Club, S.W.   |
|       | 1871 Feb. 7.  | RICKMAN, THOMAS MILLER ..  | 8 Montague St., Russell Square, W.C.  |
| t ✕   | 1898 Apr. 5.  | { ROBERTS - AUSTEN WILLIAM<br>CHANDLER, C.B., F.R.S. .. }  | Royal Mint, Tower Hill, E.  |
|       | 1895 Dec. 3.  | ROBINSON, FREDERICK ARTHUR   | 54 Old Broad Street, E.C.   |
| T ✕   | 1849 Mar. 6.  | ROBINSON, HENRY .. ..  | { Rittergut Rinkendorf bei Tzsche-<br>cheln, Kreis Sorau, Prussia.<br>88 High Road, Chiswick, W. (Tram-<br>ways, Chiswick.) |
|       | 1893 Apr. 11. | ROBINSON, JAMES CLIFTON  | 7 Middle Scotland Yard, S.W.  |
|       | 1859 May 3.   | ROBINSON, JOHN .. ..   | 1lether, Penycwm, South Wales.  |
|       | 1884 Jan. 8.  | ROCH, THOMAS JAMES .. ..   | 31 Highbury New Park, N.  |
|       | 1868 May 5.   | RYDON, HORACE JAMES .. ..  |   |
|       | 1840 June 2.  | { SALE, THOMAS HENRY, <i>Colonel</i><br>R.E. ret. .. .. }  | 147 Gloucester Terrace, Hyde Park,<br>[W.]  |
|       | 1882 May 23.  | { SALOMONS, Sir DAVID LIONEL,<br>Bart. .. .. }   | 49 Grosvenor Street, W.   |
|       | 1880 May 25.  | { SANFORD, GEORGE EDWARD<br>LANGHAM SOMERSET Maj-<br>General R.E., C.B., C.S.I. .. }             | Army Head Quarters, Simla, India.   |
|       | 1884 Jan. 8.  | { SANKEY, Sir RICHARD HIERAM,<br>Lt.-Gen. R.E. ret., K.C.B. .. }                                 | 68 Merrion Square, Dublin.  |
|       | 1869 Apr. 6.  | { SARGEANT, RICHARD ARTHUR,<br>Colonel R.E. ret. .. .. }   | 12 Linden Road, Bedford.  |
|       | 1888 Feb. 7.  | { SCOTT, ALEXANDER DE COURCY,<br>Maj.-General R.E. ret. .. }                                     | 40 Chancery Lane, W.C.  |
|       | 1865 Dec. 5.  | SCOTT, ARCHIBALD .. ..   | L. & S.W. Ry., Waterloo, S.E.   |
|       | 1883 Mar. 6.  | { SCOTT, BUCHANAN, <i>Major</i> R.E.,<br>C.I.E. .. .. }  | Grindlay & Co, Parliament St., S.W.   |
|       | 1868 May 5.   | { SCOTT-MONCRIEFF, Sir COLIN<br>CAMPBELL, Col. R.E. ret.,<br>K.C.M.G., C.S.I., J.L.D. (Edin.) }  | 11 Cheyne Walk, Chelsea, S.W.   |
|       | 1892 Dec. 6.  | { SCOTT - MONCRIEFF, GEORGE<br>KENNETH, <i>Major</i> R.E. .. }                                   | Brompton Barracks, Chatham.   |
|       | 1887 Dec. 6.  | { SCRATCHLEY, PHILIP ARTHUR,<br>M.A. (Oxon.) .. .. }   | 17 Victoria Street, S.W.  |
|       | 1861 Mar. 5.  | SICH, HENRY WYNDHAM .. ..  | Chilston Road, Tunbridge Wells.   |
|       | 1861 Feb. 5.  | { SILVER, HUGH ADAMS, <i>Col. ret.</i><br>4 Vol. Batt. Essex Regt. }                             | Abbey Lodge, Chislehurst.   |
|       | 1869 May 11.  | SIMONS, HENRY MINCHIN ..   | 39 Lime Street, E.C.  |
|       | 1897 Dec. 7.  | { SIMPSON, EDWARD PERCY,<br>M.A. (Oxon.) .. .. }   | 58 Kensington Gardens Square, W.  |
|       | 1853 Jan. 11. | SINCLAIR, ARTHUR .. ..   | St. Helens, Lancashire. [Alban's.   |
|       | 1875 Apr. 6.  | SMITH, CHARLES .. ..   | Sir J. Gilbert, F.R.S., Harpenden, St   |
|       | 1888 Apr. 10. | SMITH, JOSEPH HENRY .. ..  | Constitutional Club, W.C.   |
|       | 1885 May 19.  | SPEIGHT, RICHARD .. ..   | Ry. Dept., Melbourne, Victoria.   |
|       | 1878 Mar. 5.  | SPENCER, SAMUEL .. ..  | { 14 Great St. Thomas Apostle, E.C.<br>(Tubes, London. Bank 296.)   |

| Date of Election. |               | ASSOCIATES.   |   |
|-------------------|---------------|---|---|
|                   | 1896 Apr. 14. | { SPILSBURY, EDGAR CHARLES, }<br>Major R.E.   | P.W.D., Ajmere, India.  |
| ✣                 | 1879 Mar. 4.  | SQUIRE, JOHN BARRET .. ..   | The Wynd, Streatham Park, S.W.                                    |
|                   | 1862 Jan. 14. | STALBRIDGE, Lord, .. ..   | Motcombe House, Shaftesbury.                                      |
|                   | 1893 Mar. 1.  | STENNING, ALEXANDER ROSE ..   | 121 Cannon Street, E.C.   |
|                   | 1871 Mar. 7.  | STERNE, LOUIS .. ..   | { 28 Victoria Street, S.W (Elsterne,<br>London. Westminster 66.)  |
|                   | 1895 Dec. 3.  | STEVENS, GEORGE JAMES ..  | { Caixa 308, Correio Gerae, Rio de<br>Janeiro.                    |
|                   | 1874 Apr. 14. | STEWART, GILBERT MACLEOD  | 9 Bridge Street, Westminster, S.W.                                |
|                   | 1893. Dec. 5. | STEWART, JAMES, Captain R.E.  | R.E. Office, Shorncliffe.   |
|                   | 1875 Jan. 12. | { STOKES, Sir JOHN, Lt.-Gen. }<br>R.E. ret., K.C.B. .. ..                             | Spring House, Ewell, Surrey.                                      |
| t ✣               | 1862 May 6.   | SUGG, WILLIAM THOMAS .. ..  | Regency St., Westminster, S.W.                                    |
|                   | 1878 Mar. 5.  | SWAN, HUGH HENRY .. ..  | 7 Woodland Rd., Upper Norwood, S.E.                               |
|                   | 1868 Mar. 3.  | SWANBRICK, SAMUEL .. ..   | The Cedars, The Green, Tottenham.                                 |
|                   |               |   |   |
|                   | 1883 Jan. 9.  | THEOBALD, JOHN WILSON ..  | Birchwood, Park Hill Road, Croydon.                               |
|                   | 1879 Apr. 1.  | { *THOMPSON, Sir THOMAS RAIKES, }<br>Bart. .. ..                                      | 67 Cornhill, E.C.   |
|                   | 1859 May 3.   | THOMSON, JOHN .. ..   | { Clutha, Culverden Park, Tunbridge<br>Wells.                     |
|                   | 1880 Jan. 13. | TOPHAM, WILLIAM HAMPSON ..  | { 2 Great George Street, S.W. (Canal,<br>London.)                 |
|                   | 1888 Mar. 6.  | TRAUTWINE, JOHN CRESSON, JR.  | 257 South 4th St., Philadelphia, U.S.                             |
|                   | 1884 Apr. 1.  | { TRESIDDER, TOLMIE JOHN, Cap- }<br>tain R.E. ret., C.M.G. ..                         | Atlas Works, Sheffield.   |
|                   | 1885 Dec. 1.  | TURNER, SAMUEL LUCAS ..   | Placerville, El Dorado Co., Cal., U.S.                            |
|                   | 1861 Mar. 5.  | TYER, EDWARD .. ..  | Ashwin Street, Dalston, E.  |
| T t ✣             | 1853 May 3.   | { TYLER, Sir HENRY WHATELY, }<br>Captain R.E. ret. .. ..                              | Linden House, Highgate Road, N.W.                                 |
|                   |               |   |   |
|                   | 1898 Apr. 5.  | { VEREKER, Hon.. FOLEY CHARLES }<br>PRENDERGAST, Captain R.N.                         | Ruhstein, Spring Grove, Isleworth.                                |
|                   | 1868 Mar. 3.  | VICKERS, ALBERT .. ..   | 28 Victoria Street, S.W.  |
|                   | 1869 Dec. 7.  | VIGERS, ROBERT .. ..  | 4 Frederick's Place, Old Jewry, E.C.                              |
|                   |               |   |   |
|                   | 1862 Dec. 2.  | WADDINGTON, JOHN .. ..  | { 35 King William Street, E.C. (Bank<br>518.)                     |
|                   | 1894 Dec. 4.  | WALKER, CHARLES HAY .. ..   | 15 Great George Street, S.W.                                      |
|                   | 1868 Apr. 7.  | WALLIS, JAMES JOHN .. ..  | Sutton Lodge, West Molesey, Surrey.                               |
|                   | 1866 Apr. 10. | { WARREN, Sir CHARLES, Maj- }<br>General R.E., G.C.M.G.,<br>K.C.B., F.R.S. .. ..      | Government House, Chatham.  |
|                   | 1889 Jan. 8.  | WATSON, CHARLES HUEBACK   | Johnson & Co., Greenhithe, Kent.                                  |
|                   | 1884 Dec. 2.  | WATSON, Sir WILLIAM .. ..   | { 25 Fitzwilliam Place, Dublin. (Wat-<br>son, Dublin.) [Dulwich.] |
|                   | 1867 May 7.   | WAUGH, HENRY .. ..  | 13 South Croxted Road, West<br>Sunbridge Chambers, Bradford.      |
|                   | 1871 Feb. 7.  | WAUGH, JOHN .. ..   | { (Powerful, Bradford. 72.)                                       |
|                   | 1883 Dec. 4.  | { WEBSTER, Sir RICHARD EVERARD. }<br>G.C.M.G., Q.C., LL.D. (Can-<br>tab.), M.P. .. .. | Hornton Lodge, Hornton Street, W.                                 |
|                   | 1866 May 1.   | WESLEY, MATTHIAS ERASMUS ..   | 156 Holland Park Avenue, W.                                       |
|                   | 1879 May 6.   | { WESTERN, JAMES HALIFAX, }<br>Lt.-Col. R.E. ret. C.M.G. ..                           | Broadway Chambers, Westminster,<br>S.W.                           |
|                   | 1885 Feb. 3.  | { WHITAKER, WILLIAM, }<br>B.A. (Lond.), F.R.S. .. ..                                  | Freda, Campden Road, Croydon.                                     |

| Date of Election. | ASSOCIATES.                                     |  |  |  |
|-------------------|---|--|--|--|
| 1872 Apr. 9.      | WHITE, FREDERICK ANTHONY                        |  |  | { 2 Lime Street Square, E.C. (Avenue 4233.)                        |
| 1872 Apr. 9.      | WHITE, LEEDHAM .. .. .                          |  |  | { 2 Lime Street Square, E.C. (Avenue 4233.)                        |
| 1874 Dec. 1.      | WILDE, SAMUEL JOHN .. .. .                      |  |  | 10 Serjeants' Inn, Fleet Street, E.C.                              |
| 1898 Mar. 1.      | WILKINSON, JOSEPH LOFTUS .. .. .                |  |  | G. W. Ry., Paddington, W.  |
| 1888 Dec. 4.      | WILLCOX, BENJAMIN .. .. .                       |  |  | 47 Lincoln's Inn Fields, W.C.                                      |
| 1875 May 4.       | *WILLIAMS, CHARLES STROUD .. .. .               |  |  | 7 Clifden Gardens, Twickenham.                                     |
| 1869 May 11.      | WILLIAMS, JAMES .. .. .                         |  |  | Midland Railway, Derby.  |
| 1874 Apr. 14.     | WILSON, <i>Sir ALEXANDER, Bart.</i>             |  |  | Cyclops Works, Sheffield.  |
| 1872 Apr. 9.      | WISE, WILLIAM LLOYD .. .. .                     |  |  | { 46 Lincoln's Inn Fields, W.C. (Lloyd Wise, London, Holborn 378.) |
| 1877 Dec. 4.      | WOODHEAD, WILLIAM BOOTH .. .. .                 |  |  | 18 Exchange, Bradford.   |
| 1876 May 2.       | WOODHOUSE, THOMAS WALTER                        |  |  | 35 & 36 Red Lion Square, W.C.                                      |
| 1874 Mar. 3.      | WOODS, ARTHUR .. .. .                           |  |  | { 1 Drapers Gardens, Throgmorton Street, E.C.                      |
| 1865 Dec. 5.      | WOOLCOTT, GEORGE .. .. .                        |  |  | 78 Palace Gardens Terrace, W.                                      |
| 1857 May 19.      | WRIGHT, JOSEPH .. .. .                          |  |  | Gresham Club, Gresham Place, E.C.                                  |
| 1879 Feb. 4.      | WYATT, WILLIAM .. .. .                          |  |  | Severn Bank, Shrewsbury.   |
| 1882 Dec. 5.      | YERBURGH, JOHN EARDLEY .. .. .                  |  |  | 21 Queen Anne's Gate, S.W.   |
| 1873 May 6.       | YORK, OLIVER .. .. .                            |  |  | 10 Via Verezia, Florence.  |
| 1886 Feb. 2.      | { YOUNG, CARMICHAEL LIGHT, Major R.E. .. .. . } |  |  | R.E. Office, Colombo, Ceylon.                                      |
| 1891 Dec. 1.      | YOUNG, JOHN PRATT .. .. .                       |  |  | { Brent Knoll, Chantry Road, Moseley, Birmingham.                  |
| 1877 Feb. 6.      | YOUNG, SEPTIMUS .. .. .                         |  |  | 5 Victoria Street, S.W.  |

Total number of Associates .. .. 320.



## STUDENTS.

[Stud. Inst. C.E.]

| Date of Admission. | STUDENTS.   |   |
|--------------------|---|---|
| 1892 Jan. 26.      | ABBOTT, JOHN HALLEN ABBOTT  | 39 Selhurst Rd., S. Norwood, S.E.                                   |
| 1896 Jan. 7.       | ABBOTT, THOMAS ROBERT LAMB  | F. C. del Sud, Buenos Ayres.  |
| 1896 Feb. 25.      | ACFIELD, JOSHUA EDWARD ..   | 3 Denzil Avenue, Southampton.                                       |
| 1898 Mar. 15.      | ADAMI, GEORGE FREDERICK ..  | Royal Indian Eng. Coll., Staines.                                   |
| m 1895 Dec. 3.     | ADAMS, BERTRAM KEITH ..   | P.W.D., Colombo, Ceylon.  |
| m 1891 Dec. 8.     | ADAMS, HENRY CHARLES ..   | City Surveyor's Office, Birmingham.                                 |
| 1892 Apr. 5.       | { ADAMS, HENRY REGNIER }<br>{ CAMPBELL .. .. . }                        | E. G  rouard, Lt. R.E., Wady Halfa, Egypt. [Liverpool.]             |
| 1897 Mar. 29.      | ADAMSON, ARTHUR MARSHALL  | Sunnyside House, Princes Park,                                      |
| 1896 Feb. 25.      | ADDIS, ROBERT BAWN .. ..  | Grindlay, Groom & Co., Bombay.                                      |
| 1891 Nov. 24.      | { ADLER, HENRY GEORGE VER- }<br>{ GOTTINI .. .. . }                     | 192 Queen's Gate, S.W.  |
| 1894 Feb. 27.      | ALDIS, BASIL STEADMAN ..  | 174 Brooke Road, Clapton, N.E.                                      |
| 1896 May 19.       | { ALLEN, HAROLD GWYNNE, }<br>{ B.A. ( <i>Cantab.</i> ) .. .. }          | 7 Albion Street, Dowanhill, Glasgow.                                |
| 1896 Jan. 7.       | ALLINGHAM, GERALD CARLYLE   | { Eldon 'House, Lyndhurst Road, Hampstead, N.W.                     |
| 1893 Feb. 21.      | ANDERSON, ATHOL LANCELOT  | Stothert & Pitt, Bath.  |
| 1898 Mar. 29.      | ANDERSON, JOHN ARMSTRONG  | 6 Royal Arsenal, Woolwich.  |
| 1896 Mar. 24.      | { ANDERSON, THOMAS CONYNG- }<br>{ HAM BRUTON .. .. }                    | The Lawn, Staple Grove, Taunton.                                    |
| 1897 Feb. 2.       | ANDREW, SAMUEL ERNEST ..  | { District Council Electricity Dept., Cathall Road, Leytonstone, E. |
| 1891 May 5.        | ANTHONY, PHILIP ARNOLD ..   | 13 Woodland Terrace, Plymouth.                                      |
| 1895 Nov. 19.      | APPLEBY, HARRY WALTON ..  | Rosling & Appleby, Bradford.  |
| 1896 Nov. 16.      | ARKINSTALL, PERCY PEARCE ..   | 25 Burnaby Gardens, Chiswick, W.                                    |
| 1892 Nov. 1.       | ARMOUR, STEWART .. .. .   | 283 Trinity Rd., Wandsworth, S.W.                                   |
| 1896 May 19.       | ARMSTRONG, FRANK .. ..  | Esk Tower, Gorebridge, Edinburgh.                                   |
| 1895 Apr. 2.       | ARMYTAGE, JOHN HAWKSWORTH   | { G.N. Ry., Supt.'s Office, King's Cross, N. [Ham.]                 |
| 1898 Feb. 15.      | ARNOLD, FRANK WILLIAM ..  | 42 Summerfield Crescent, Birming-                                   |
| 1896 Feb. 25.      | { ARNOTT, ROBERT FLEMING, }<br>{ B.E. ( <i>Sydney</i> ) .. .. }         | District Surveyor, Klang, Selangor, S.S.                            |
| 1898 Mar. 15.      | ASERAPPA, RICHARD HUMBERT   | Royal Indian Eng. Coll., Staines.                                   |
| 1895 May 21.       | ASTON, TAGGART .. .. .  | 11 Straumillis Road, Belfast.                                       |
| 1892 Dec. 6.       | ATWOOL, FRANCIS COURTENAY   | The Rectory, St. Mawes, Cornwall.                                   |
| 1895 Oct. 22.      | BAKER, FRANK, B.Sc. ( <i>Victoria</i> )                                 | { Maple Bank, Bushbury Lane, Bush-                                  |
| 1895 Nov. 5.       | BAKER, REGINALD FRANCIS ..  | bury, Wolverhampton.  |
| 1895 Dec. 3.       | { BALDWIN-WISEMAN, WILLIAM }<br>{ RALPH, B.Sc. ( <i>Victoria</i> ) .. } | Marryatt's Lodge, Suaresbrook.                                      |
| 1891 May 12.       | BALLANTYNE, THOMAS .. ..  | Brundretts Road, Chorlton, Lanes.                                   |
| 1897 Nov. 23.      | BARBER, CECIL .. .. .   | { B.& N.W. Ry., Gorackpur, N.W.P., India.                           |
| m 1895 Feb. 12.    | BARKER, HAROLD WOOD .. ..   | Belfort House, Duppas Hill Road, Croydon.                           |
| 1898 Mar. 22.      | BARKER, WILLIAM EDWARD  | 17 Woodville Terrace, Little Horton Lane, Bradford.                 |
| 1897 Dec. 21.      | BARNES, FREDERICK ARTHUR  | 14 Beverley Road, Colchester.                                       |
|                    |   | Park House, Hampton-on-Thames.                                      |

| Date of Admission.            | STUDENTS.   |   |
|-------------------------------|---|---|
| 1898 Mar. 29.                 | { BARNWELL, FREDERICK<br>ARTHUR LOWRY .. .. }             | Stramshall Vicarage, Uttoxeter.                       |
| 1897 Nov. 10.                 | { BARTLETT, HARDINGTON<br>ARTHUR .. .. .. }               | 29 Queen's Mansions, Victoria St., S.W.               |
| 1894 Oct. 30.                 | BACHELOR, WILLIAM TITTLE                                  | Launceston, Tasmania.                                 |
| 1896 Nov. 16.                 | BATTY, DUDLEY EUGENE ..                                   | Willans & Robinson, Rugby.                            |
| 1895 Jan. 29.                 | { BAXTER, JAMES GOLDER<br>ROBINSON .. .. .. }             | 161 Camp Rd., Rangoon, Burma.                         |
| 1892 Nov. 8.                  | BAYNHAM, ALBAN FRANCIS ..                                 | 16 Pelham Road, Southsea.                             |
| 1898 Mar. 29.                 | BAYNES, PHILIP HEACOCK ..                                 | Grove Villa, Knighton, Rads.                          |
| 1897 Mar. 2.                  | { BEARD, SAMUEL ROBERT<br>HARDWIDGE .. .. }               | { A. McKerrow, 12 Victoria Street,<br>S.W.            |
| 1893 Nov. 7.                  | BECHER, ROBERT ARNOLDS ..                                 | Burma Rys., Ywataung, Burma.                          |
| 1892 Nov. 1.                  | { BEDFORD-GLASIER, FRANCIS ..                             | { Railway Department, Sekondi, Gold<br>Coast.         |
| m $\frac{1}{2}$ 1893 Feb. 28. | { BEER, WALTER .. .. ..                                   | { 8 Princes Street, Westminster, S.W.                 |
| 1896 Dec. 15.                 | { BELL, CHARLES DICKSON,<br>B.Sc. (Victoria) .. .. }      | { Chatsworth Terrace, Barrow-in-<br>Furness.          |
| 1897 Feb. 16.                 | BENDLE, WILLIAM GEORGE ..                                 | 40 Windsor Road, Ealing, W.                           |
| 1893 Nov. 28.                 | BENJAMIN, EDGAR LIONEL ..                                 | 48 Sutherland Avenue, W.                              |
| 1897 Nov. 10.                 | BENJAMIN, JOSHUA BAGANDOJI                                | Boro' Engineer's Office, Dover.                       |
| 1894 Dec. 4.                  | BENNETT, JOHN GILCHRIST ..                                | 160 Hope Street, Glasgow.                             |
| 1896 Nov. 16.                 | BERGMAN, GEORGE ERNEST ..                                 | 29 Priory Road, Kilburn, N.W.                         |
| 1897 Nov. 23.                 | { BERRIDGE, HAROLD MEREDITH<br>KING .. .. .. }            | City Engineer's Office, Worcester.                    |
| 1896 Dec. 1.                  | BHATHENA, RUSTAM FRAMJI..                                 | Jamrao Canal, Hyderabad, Sind.                        |
| 1897 Mar. 2.                  | BIDEN, FREDERICK ALAN ..                                  | 26 Longton Grove, Sydenham, S.E.                      |
| 1897 Nov. 23.                 | { BIGGE, HARRY FOWLER,<br>B.A. (Cantab.) .. .. }          | { Lye House, Bricket Wood, St.<br>Albans.             |
| 1891 Nov. 9.                  | BIGGLESTON, HERBERT ..                                    | 34 Grafton Road, Bedford.                             |
| 1896 May 5.                   | BILLINGHURST, HENRY ..                                    | 35 Granville Park, Blackheath, S.E.                   |
| 1895 Nov. 5.                  | { BINDLOSS, EDWARD ALEXANDER<br>MORGAN .. .. .. }         | { 50 Westmoreland Road, Newcastle-<br>on-Tyne.        |
| 1894 Jan. 23.                 | { BINNIE, ALEXANDER THOMAS,<br>B.A. (Cantab.) .. .. }     | 77 Ladbrooke Grove, W.                                |
| 1897 Feb. 16.                 | BINNS, ASA .. .. ..                                       | 26 Derringham St., Spring Bank, Hull.                 |
| 1895 Nov. 19.                 | { BIRKS, LAWRENCE, B.Sc. (Ade-<br>laide) .. .. .. }       | 8 Avenue Road, Erith.                                 |
| 1891 Nov. 9.                  | BISHOP, CHARLES HERBERT ..                                | Monierkhall, Cachar, Assam.                           |
| 1896 Jan. 21.                 | BISHOP, WILFRID HOCART ..                                 | 9 Dunster Gardens, Brondesbury, N.W.                  |
| 1898 Jan. 25.                 | { BLACKADDER, WILLIAM, B.Sc.<br>(Edin.) .. .. .. }        | Caledonian Ry., Perth.                                |
| m 1895 Dec. 3.                | { BLACKBURN, ALFRED BROWN<br>ERNEST .. .. .. }            | Old Bank House, Wednesbury.                           |
| 1898 Jan. 18.                 | { BLACKBURN, CHARLES BEWICKE,<br>B.Sc. (Victoria) .. .. } | { Glenmore, Tettenhall, Wolver-<br>hampton.           |
| 1896 Nov. 16.                 | { BLAINE, FREDERICK HOWIE,<br>B.A. (Cantab.) .. .. }      | Stothert & Pitt, Bath.                                |
| 1897 Nov. 10.                 | BLAKER, WILLIAM HERBERT ..                                | { Harbour Board, Douglas, Isle of<br>Man.             |
| 1895 Apr. 2.                  | BODEN, ARTHUR LIONEL ..                                   | { 34 Maitland Park Villas, Haver-<br>stock Hill, N.W. |
| 1896 May 19.                  | BOISSIÈRE, HECTOR ELIE DE ..                              | River Wear Commission, Sunderland.                    |
| 1894 May 1.                   | BOOTHROYD, WILLIAM ALEC ..                                | { 1 The Crescent, Holyhead Road,<br>Coventry.         |
| 1897 Feb. 2.                  | BOSE, GIRINDRA CHANDRA ..                                 | 63 Bechoo Chatterjee St., Calcutta.                   |
| 1895 Nov. 19.                 | BOSTOCK, ARCHIBALD THOMAS                                 | Uplands, Colombo, Ceylon.                             |
| 1897 Mar. 15.                 | BOSTOCK, JOHN EDWARD ..                                   | 86 West Cromwell Road, S.W.                           |
| 1896 Jan. 7.                  | { BOUCHER, REGINALD,<br>B.A. (Cantab.) .. .. }            | 11 Queen's Road, Erith, Kent.                         |
| 1894 Oct. 30.                 | { BOURKE, HENRY WALTER<br>LAURIE McWILLIAM .. .. }        | 2 Portnall Road, Harrow Road, W.                      |
| 1897 Nov. 10.                 | { BOVEY, EDWARD PALK, JUN.,<br>B.A.Sc. (McGill) .. .. }   | Clifton Grove, Torquay.                               |

| Date of Admission. |  | STUDENTS.  |  |
|--------------------|--|--|--|
| 1896 Nov. 16.      | BOWE, DANIEL JACKSON ..  | Boro' Surveyor's Office, Eastbourne                                  |  |
| 1898 Feb. 22.      | { BOWEN, MERVYN WILLIAM ..<br>COLE, B.A.I. ( <i>Dubl.</i> ) .. }       | L. & N. W. Ry., Euston, N.W.   |  |
| 1893 Nov. 7.       | BOWER, WILFRED GILBERT ..  | 37 Queen's Road, Wimbledon.  |  |
| 1897 Dec. 21.      | BOWERS, PERCY LLOYD .. ..  | { Central Technical College, Exhibi-<br>tion Rd., S.W.               |  |
| 1897 Jan. 19.      | BOXWELL, PHILIP REGINALD ..  | Irrigation Dept., Minich, Egypt.                                     |  |
| 1897 Nov. 23.      | { BOYAJIAN, HENRY SAMUEL ..<br>ROGERS .. . . . }                       | Ivy House, North Road, East<br>Finchley. [N.S.W.]                    |  |
| 1897 Nov. 10.      | BOYD, ROBERT JAMES .. ..   | Waimca, Rosedale Street, Petersham,                                  |  |
| 1898 Mar. 29.      | { BOYLE, EDWARD SEYMOUR ..<br>SKINNER .. . . . }                       | 9 Arlington Street, Glasgow.   |  |
| m 1895 Jan. 8.     | BRAND, HENRY FRANCIS ..  | { Surrey Commercial Docks, Rother-<br>hithe, S.E.                    |  |
| 1896 Nov. 16.      | BRANSON, ARNOLD WISEMAN ..   | Brougham Terrace, West Hartlepool.                                   |  |
| 1895 Nov. 5.       | { BREARLEY, JOSEPH HENRY ..<br>DRAPER, B.Sc., B.E. ( <i>Sydney</i> ) } | Govt. Rys., 51 Philip St., Sydney,<br>N.S.W.                         |  |
| 1896 Nov. 16.      | BRIERLEY, JAMES .. . . .   | 22 Bath Street, Buxton. [S.E.]                                       |  |
| 1897 Nov. 23.      | BRIGHTON, FREDERICK .. ..  | Claremont, Barry Rd., East Dulwich,                                  |  |
| 1896 Mar. 31.      | BROADBENT, FRANCIS JAMES ..  | 26 Derringham St., Spring Bank, Hull.                                |  |
| 1897 Nov. 10.      | { BRODHURST, HUGH, ..<br>B.A. ( <i>Cantab.</i> ) .. . . }              | 7 Brussels Road, St. John's Hill,<br>S.W.                            |  |
| 1895 Feb. 19.      | BROMAGE, EDWIN ELLIOTT ..  | { Thames Conservancy, Embankment,<br>E.C.                            |  |
| 1894 Dec. 4.       | BROOKS, RICHARD .. . . .   | { P.W.D., Lyallpur, Chenab Canal,<br>Punjab.                         |  |
| 1898 Mar. 29.      | BROWN, CUTHBERT CHALMEERS  | 17 Cheyne Gardens, Chelsea, S.W.                                     |  |
| 1897 Feb. 2.       | BROWN, JAMES HERBERT ..  | Gasworks, Ilford, E.   |  |
| 1895 Dec. 3.       | BROWN, JAMES HUTCHIESON  | { 23 Princes Square, Strathbungo,<br>Glasgow.                        |  |
| 1894 Feb. 20.      | BROWN, WALTER BRUCE ..   | Govt. Rys., Port Elizabeth, C.C.                                     |  |
| 1894 Mar. 6.       | { BROWN, WILLIAM DAVID ..<br>SETON .. . . . }                          | 29 Seymour Street, W.  |  |
| m 1895 Oct. 22.    | { BROWN, WILLIAM LOWE, ..<br>M.Sc. ( <i>Victoria</i> ) .. . . }        | 3 Lancing Road, Castle Hill,<br>Ealing, W.                           |  |
| 1896 Nov. 24.      | BROWNE, BENJAMIN CHAPMAN   | { Park House, King's Road, Rich-<br>mond, S.W. [mon, S.W.]           |  |
| 1896 Nov. 16.      | BROWNING, ARTHUR HERVÉ ..  | Spencer Lodge, Wandsworth Com-                                       |  |
| 1897 Nov. 10.      | BUCKLAND, GEORGE FREDERIC  | 3 Claremont Rd., Bishopston, Bristol.                                |  |
| 1895 Dec. 3.       | BUCKLEY, ARTHUR BURTON ..  | 24 Dukes Avenue, Chiswick, W.  |  |
| 1897 Nov. 10.      | { BULLEN, WILLIAM HENRY ..<br>CHAMBERS .. . . . }                      | 46 Queen Anne's Gate, S.W.   |  |
| 1896 Jan. 7.       | BUMPUS, ALFRED WILLIAM ..  | St. Aubyn's, Shortlands, Kent.                                       |  |
| 1898 Mar. 29.      | BURGE, HENRY .. . . .  | 26 Devonshire Terrace, Hyde Park, W.                                 |  |
| 1896 Feb. 4.       | { BURRELL, JAMES THOMAS ..<br>HAROLD .. . . . }                        | Tyler - Ellis Manufacturing Co.,<br>Bridgend, Peterborough. [shire.] |  |
| 1898 Mar. 29.      | BURTON, RICHARD .. . . .   | Plas, Dinas Mawddwy, Merioneth-                                      |  |
| 1898 Feb. 15.      | BUSFELD, WILLIAM .. . . .  | Holly House, Wargrave, Newton-le-<br>Willows.                        |  |
| 1896 Apr. 21.      | BUSHELL, CHARLES LESTOURGEON   | Grove Hill, Harrow.  |  |
| m ✱ 1891 Nov. 3.   | BUTTERWORTH, ARTHUR SHAW   | City Engineer's Office, Coventry.                                    |  |
| 1895 Feb. 12.      | { CAMERON, ARCHIBALD PRES-<br>TON, B.A. ( <i>Cantab.</i> ) .. . }      | Church Street, Hampton-on-Thames.                                    |  |
| 1896 Feb. 4.       | CAMERON, ARTHUR .. . . .   | 246 Morrison Street, Edinburgh.                                      |  |
| 1895 May 14.       | CAMPBELL, CHARLES ORR ..   | Eng.'s Office, N. E. Ry., York.                                      |  |
| 1895 May 21.       | { CAREY, GASPARD ROBERT DE<br>MOUSSENSEN .. . . . }                    | Poste Restante, Buluwayo, Rhodesia.                                  |  |
| 1897 Dec. 7.       | { CARMICHAEL, PETER MAURICE ..<br>STEWART .. . . . }                   | Drummond Lodge, Harold Road,<br>Upper Norwood, S.E.                  |  |
| 1895 Jan. 8.       | CARMAEL, RAYMOND .. . .  | Stothert & Pitt, Bath.   |  |

| Date of Admission. | STUDENTS.  |   |
|--------------------|--|---|
| m 1895 Nov. 19.    | CARTER, THOMAS .. .. .   | 51 Ravensdowne, Berwick-on-Tweed.                           |
| 1896 May 19.       | { CARTER, WILLIAM BELLING-<br>HAM, B.A.I. ( <i>Dubl.</i> ) .. .. } | { Eng.'s Office, G. W. Ry., Padding-<br>ton, W.             |
| 1896 Nov. 16.      | CARTWRIGHT, CECIL LEONARD  | 29 Birchington Rd., Kilburn, N.W.                           |
| 1896 Dec. 1.       | { CASDAGLI, ALEXANDER EM-<br>MANUEL .. .. . }                      | Kersal Hill, Kersal, Manchester.                            |
| 1897 Nov. 10.      | CASE, CECIL BERTRAM .. ..  | Dymchurch, Kent.  |
| 1894 May 1.        | CASS, BERNARD CROFT .. ..  | { L. D. & E. C. Ry., Clown, Chester-<br>field. [S.W.]       |
| 1898 Mar. 29.      | { CASTLE, THOMAS ARNELIUS<br>MARRIOTT .. .. . }                    | S9 Harcourt Terrace, Kensington,                            |
| 1896 Feb. 25.      | CAUTLEY, ARTHUR OLDFIELD   | Westerfield Rectory, Ipswich.                               |
| 1897 Nov. 10.      | CHADWICK, KENNETH MURRAY   | City Engineer's Office, Leeds.                              |
| 1894 Jan. 23.      | CHAMBERLAIN, WILLIAM YOUNG   | Harbour Office, Belfast.                                    |
| 1895 Nov. 19.      | CHAMBERS, ALFRED EUSTACE   | { Rys. and Trading Co, Dibrugahr,<br>Assam.                 |
| 1897 Nov. 10.      | CHAPLIN, GEORGE PLUNKETT   | { Onspensky Mine, Kotschar, Oren-<br>burg, Russia.          |
| 1895 May 7.        | CHAPMAN, JESSE EDWARD ..   | { Walter Scott & Co., Thorpe-Mande-<br>ville, Banbury.      |
| 1896 Feb. 11.      | { CHARLES, ALEXIS ARMAND<br>DALLISON .. .. . }                     | 26 Hopwood Street, Barnsley.                                |
| 1895 Nov. 5.       | CHATER, CHARLES RANDOLPH   | 223 Peckham Rye, S.E. [C.C.]                                |
| 1891 Nov. 24.      | CHEEKE, WILLIAM ALEXANDER  | 6 St. George's Chambers, Cape Town,                         |
| 1896 Feb. 11.      | CHESHIRE, HUGH STANLEY ..  | Nymans, South Norwood Park, S.E.                            |
| 1894 Dec. 4.       | CHURCHILL, ALEC FLEMING ..   | P.W.D., Colombo, Ceylon.                                    |
| 1894 Nov. 6.       | CLAPHAM, WALTER .. ..  | 6 Sunnybank, Shipley, Yorks.                                |
| 1893 Mar. 14.      | CLARK, FRANKLIN .. .. .  | { 15 Tichfield Terrace, Regent's<br>Park, N.W.              |
| 1896 May 19.       | CLARKE, HAROLD OFFICER ..  | King, King & Co., Bombay.                                   |
| 1896 Nov. 16.      | CLEGG, COLIN .. .. .   | E. M. Eaton, 34 Victoria St., S.W.                          |
| 1894 Dec. 4.       | COAD, HAROLD EUSTACE ..  | { H.M. Office of Works, 12 Whitehall<br>Place, S.W.         |
| 1892 Dec. 13.      | COBB, PERCY RHODES .. ..   | British Aluminium Co., Foyers, N.B.                         |
| 1896 Dec. 1.       | COCKBURN, EDWIN DUNDAS ..  | 10 Castle Garth, Kendal.                                    |
| 1894 Mar. 13.      | COLE, ALFRED .. .. .   | De Beers Mines, Kimberley, C.C.                             |
| 1893 Dec. 12.      | COLEBY, FRANCIS JAMES ..   | 14 Sandringham Gardens, Ealing, W.                          |
| 1896 Jan. 7.       | COLEMAN, GEORGE STEPHEN ..   | Walliscote Rd., Weston-super-Mare.                          |
| 1895 Apr. 2.       | COLLINS, ERNEST MELVILLE ..  | Mayfield, Catford, S.E.                                     |
| 1897 Nov. 23.      | COLLINS, WILLIAM .. .. .   | 11 Hamlet Road, Chelmsford.                                 |
| 1894 Dec. 4.       | { COLLIS-ADAMSON, ARTHUR<br>CHARLES .. .. . }                      | { Northgate House, High Street,<br>Highgate, N. [S.E.]      |
| 1897 Dec. 7.       | COLQUHOUN, WILLIAM GEORGE  | Royal Naval College, Greenwich,                             |
| 1897 Jan. 19.      | COMMON, THOMAS ANDREW ..   | 63 Eaton Rise, Ealing, W.                                   |
| 1897 Mar. 2.       | CONNOR, CHARLES .. .. .  | 318 Bath Street, Glasgow.                                   |
| 1895 Mar. 5.       | { CONWAY, GEORGE ROBERT<br>GRAHAM .. .. . }                        | 5 Tabor Grove, Wimbledon, S.W.                              |
| 1893 Feb. 7.       | CONWAY, JAMES .. .. .  | 141 Newington Causeway, S.E.                                |
| 1896 Dec. 1.       | COODE, FRANCIS TREVENEN ..   | Cwm Elan, Rhayader, Rads.                                   |
| 1895 Feb. 12.      | COODE, WALTER DAMAREL ..   | { 1 Kelston View, Sydney Buildings,<br>Bath.                |
| 1895 Nov. 5.       | COOPER, VERNON .. .. .   | Pencliffe, Alney Rd., West Dulwich.                         |
| 1897 Feb. 23.      | CORNISH, JAMES EASTON, JUN.  | Water Co., Alexandria, Egypt.                               |
| 1894 May 22.       | CORNOCK, JOSEPH CAPEL ..   | 60 Brudenell Mount, Leeds.                                  |
| 1898 Mar. 15.      | COSSON, CLAUDE AUGUSTIN DE   | Royal Indian Eng. Coll., Staines.                           |
| 1898 Mar. 15.      | { COTTRELL, WILLIAM RICHARD<br>THOMAS .. .. . }                    | 12 Manor Road, Sideup.                                      |
| 1895 Feb. 12.      | { COUPER, JOHN DUNCAN CAMP-<br>BELL .. .. . }                      | 80 Grosvenor Street, W.                                     |
| 1892 Apr. 12.      | COUPER, SYDNEY .. .. .   | { c.o. W. Couper, Riverslea, Blundell-<br>sands, Liverpool. |
| 1895 May 14.       | { COURT, WILLIAM HAROLD<br>ARTHUR .. .. . }                        | Boro' Engineer's Office, Leicester.                         |



| Date of Admission. | STUDENTS.  |   |
|--------------------|--|---|
| 1893 Apr. 18.      | COUSTON, BENJAMIN BAGLEY   | Robt. Hay, Dunedin, N.Z.  |
| 1896 Nov. 16       | COUTTS, RONALD STUART ..   | Baltic House, Waterfoot, Lancs.   |
| 1898 Mar. 22.      | { COWAN, JAMES MARSHALL, B.A.<br>( <i>Cantab.</i> ) .. .. . }        | 6 Salisbury Road, Elinburgh.  |
| 1895 Mar. 5.       | COWAN, PERCY JOHN .. ..  | 6 Vaughan Avenue, Doncaster.  |
| 1897 Nov. 10.      | { CRADDOCK, ARTHUR RAINS-<br>FORD, B.Sc. ( <i>New Zealand</i> ) }    | Canterbury College, Christchurch,<br>N.Z.                               |
| 1898 Jan. 25.      | { CRAIG, ALEXANDER DONALD<br>B.E. ( <i>Sydney</i> ) .. .. }          | Harbours & Rivers Dept., P.W.D.,<br>Sydney, N.S.W.                      |
| 1895 May 14.       | { CRAIG, ALEXANDER GRATITUDE,<br>B.Sc. ( <i>Glas.</i> ) .. .. }      | Cray, Breconshire. [S.W.]   |
| 1897 Feb. 23.      | CRAIG, WILLIAM HENRY PRYSE   | 5 Templeton Place, Earl's Court,<br>Glenic Street, The Castle, Colombo, |
| 1895 Jan. 8.       | CREASY, HAROLD THOMAS ..   | Ceylon.   |
| 1892 Feb. 2.       | { CREBER WILLIAM FRANCIS<br>HENRY .. .. . }                          | Water Dept., Municipal Offices,<br>Plymouth.                            |
| 1897 Apr. 6.       | CREER, ALFRED DOUGLAS ..   | J. Mansergh, 5 Victoria St., S.W.                                       |
| 1898 Jan. 25.      | CRIDLAN, JOHN LIONEL .. ..   | 4 Woodhouse Square, Leeds.  |
| 1896 Mar. 3.       | CROSS, JAMES WILLIAM .. ..   | 57 Birch Street, New Swindon.   |
| 1892 Nov. 22.      | CROUCH, JOHN PEACHEY .. ..   | 22 Scholes Bank, Horwich, Lancs.  |
| 1895 Dec. 3.       | CULVERHOUSE, HERBERT SYDNEY  | 3 Percy Place, Bath.  |
| 1897 Dec. 21.      | CUTHELL, ERIC ANDREW ..  | Chapel Croft, Dorking.  |
| 1898 Mar. 22.      | DALE, BENJAMIN HERBERT ..  | Lydd Vicarage, Kent.  |
| 1893 Nov. 7.       | DALGLEISH, GEOFFREY SCOTT  | P.W.D., Irrigation Dept., Cairo.  |
| 1897 Nov. 10.      | DANBY, CHRISTOPHER .. ..   | Rudstone, Bridlington, Yorks.   |
| 1898 Mar. 29.      | DANIEL, ARTHUR HENRY .. ..   | 16 Heathcote St., Gray's Inn Rd., W.C.                                  |
| 1895 Nov. 5.       | DANIEL, WALTER .. .. .   | { Midland Ry., Heysham Harbour,<br>Morecambe.                           |
| 1896 Nov. 16.      | DAS, RANES CHANDRA .. ..   | E. I. Ry., Giridih, India.  |
| 1893 Jan. 10.      | DASPER, FREDERICK CHARLES  | { G. N. Ry., Eng.'s Office, King's<br>Cross, N.                         |
| 1894 Nov. 6.       | DASSENAIKE, STEPHEN WILLIAM  | Ruanwella, Ceylon.  |
| 1896 May 5.        | DAVIDSON, ALAN JOHN .. ..  | Addison Lodge, Ridgway, Wimbledon.                                      |
| 1892 Dec. 6.       | { DAVIDSON, JONATHAN ROBERTS<br>B.Sc. ( <i>Victoria</i> ) .. .. }    | 6 Ivanhoe Road, Sefton Park,<br>Liverpool.                              |
| 1893 Nov. 7.       | DAVIDSON, WILLIAM .. ..  | Harbour Office, Leith, N.B.   |
| 1894 May 22.       | DAVIDSON, WILLIAM CAMPBELL   | Homewood, Mannofield, Aberdeen.   |
| 1896 Jan. 14.      | DAVIES, FRANCIS EDWARD .. ..   | 51 Tregunter Rd., Kensington, S.W.                                      |
| 1895 May 21.       | DAVIS, ALFRED ARTHUR .. ..   | { Waterworks, Frimley Green, Farn-<br>borough, Hants.                   |
| 1893 Nov. 14.      | { DAVIS, FREDERICK WILLIAM<br>DANIEL, B.Sc. ( <i>Victoria</i> ) .. } | Mark & Newell, L. & N.W. Railway,<br>Heckmondwike.                      |
| 1896 Jan. 28.      | DAVISON, ROBERT .. .. .  | Palmerston, Sydenham, Belfast.  |
| 1896 Nov. 16.      | DAY, AUGUSTINE .. .. .   | Twynham, Shortlands, Kent.  |
| 1897 Dec. 7.       | DAWE, JOHN NANSCAWEN .. ..   | Wadebridge, Cornwall.   |
| 1893 Mar. 14.      | DAWE, PHILIP HENRY .. ..   | { Kincaid, Waller & Manville, 29<br>Great George Street, S.W.           |
| 1895 May 14.       | DAWSON, GEORGE CROSBIE .. ..   | May Place, Newcastle, Staffs.   |
| 1896 Mar. 3.       | DAWSON, GERARD FINCH .. ..   | Grindlay, Groom & Co., Bombay.  |
| 1895 Dec. 3.       | DAY, BENJAMIN JOHN .. ..   | 24 London Road, Chelmsford.   |
| 1895 Nov. 5.       | DAY, CLAUD ALBERT STANTON  | Grosvenor House, Isleworth.   |
| 1897 Nov. 10.      | DEAKIN, GEORGE WELSEY .. ..  | L. & N.W. Ry., 4 Church St., Chester.                                   |
| 1897 Nov. 10.      | DESENNE, OSCAR HENRY .. ..   | Royal Indian Eng. Coll., Staines.                                       |
| 1898 Feb. 1.       | DEWHIRST, CHARLES REEVE .. ..  | Bank House, Stowmarket.   |
| 1894 Feb. 6.       | DIGBY, KENELM WILLIAM .. ..  | Bengal-Nagpur Ry., Nagpur, India.                                       |
| 1896 Dec. 1.       | { DILLEY, WILFRID JOSEPH,<br>B.Sc. ( <i>Edin.</i> ) .. .. }          | 8 Granby Road, Edinburgh.   |



| Date of Admission. | STUDENTS.                                   |  |
|--------------------|---|--|
| 1896 Dec. 1.       | DIXON, ARTHUR .. .. .                       | { Rigby & Co., 8 Laurence Pountney Lane, E.C.    |
| 1896 Nov. 16.      | { DOAK, WALTER JAMES, B.E. (Sydney) .. .. . | { Fitzroy Bridge, Rockhampton, Queensland.       |
| 1894 Oct. 16.      | { DOBRÉE, FRANKLIN BONAMY HANKEY .. .. .    | { The Châlet, Ealing, W.                         |
| 1896 Mar. 3.       | { DONALDSON, ALEXANDER WANNAN .. .. .       | { 4 Cromwell Road, Basingstoke.                  |
| 1894 Oct. 16.      | DORMOR, HARRY DUNCAN ..                     | { Best & Sons, 47 Victoria St., S.W.             |
| 1897 Nov. 10.      | DOUGLAS, EDWARD ALISON ..                   | { Granville House, Overhill Road, S.E.           |
| 1894 Apr. 17.      | DOWRIE, GEORGE ARTHUR ..                    | { Port Saïd, Egypt.                              |
| 1892 Nov. 29.      | DRESDEN, WILLIAM JAMES ..                   | { 219 Kensington High Street, W.                 |
| 1896 Jan. 7.       | DRESSER, CHARLES .. .. .                    | { 5 Marius Road, Balham, S.W.                    |
| 1896 Nov. 16.      | { DRURY, HENRY WILLIAM COLLINS .. .. .      | { St. Oswald's, Downs Road, Clapton, N.E.        |
| 1897 Jan. 26.      | DRURY, HOWARD DRU .. ..                     | { Maisonnnette, Woodville Road, Blackheath, S.E. |
| 1894 May 1.        | { DRURY, OSWALD GEORGE COOPER .. .. .       | { Hooley Cottage, Hooley Lane, Redhill.          |
| 1897 Nov. 10.      | DUCKHAM, ARTHUR McDUGALL                    | { 40 Croom's Hill, Greenwich, S.E.               |
| 1894 Mar. 6.       | DUCKHAM, FREDERIC WILLIAM                   | { 40 Croom's Hill, Greenwich, S.E.               |
| 1896 Jan. 14.      | DUDFIELD, CHRISTOPHER GEORGE                | { Town Hall, Eastbourne.                         |
| 1893 Nov. 14.      | DUKE, AUDLEY MERVYN ..                      | { 87 Maryon Road, Charlton, S.E.                 |
| 1894 Mar. 13.      | DUNCAN, JOHN, B.Sc. (Victoria)              | { Grove Hill, Otley, Yorks.                      |
| 1895 Nov. 19.      | DUQUEMIN, FRANCIS WILLIAM                   | { 34 Stockwell Road, S.W.                        |
| 1896 Mar. 31.      | EAST, ALFRED TOMLIN .. ..                   | { 49 Belsize Park, N.W.                          |
| 1896 Dec. 1.       | EBORALL, ALFRED CECIL ..                    | { Technical College, Finsbury, E.C.              |
| 1892 Nov. 29.      | EDEN, EDGAR MARK .. ..                      | { 22 Harley Road, South Hampstead, N.W.          |
| 1896 Nov. 16.      | { EDGECUMBE, KENELM WILLIAM EDWARD .. .. .  | { 33 Tedworth Square, Chelsea, S.W.              |
| 1895 Apr. 2.       | EDLESTON, ALFRED EDWARD ..                  | { Crumpsall, Manchester.                         |
| 1894 May 22.       | EDWARDS, JAMES HERBERT ..                   | { 139 Mostyn Street, Llandudno.                  |
| 1898 Mar. 29.      | EDWARDS, WASHINGTON ERNEST                  | { 29 Hampstead Hill Gardens, N.W.                |
| 1897 Feb. 2.       | ELCE, WILLIAM HENRY .. ..                   | { Town Hall, Failsworth, Manchester.             |
| 1897 Nov. 10.      | ELDER, ARTHUR SYDNEY WELSH                  | { 4 The Grove, Blackheath, S.E.                  |
| 1896 Dec. 15.      | ELIOTT, ARNOLD .. .. .                      | { Tokenbury, Liskeard, Cornwall.                 |
| 1897 Apr. 6.       | ELWES, HUGH GEOFFREY ..                     | { Penshurst, Southwood Road, New Eltham.         |
| 1891 Nov. 3.       | ENTWISLE, HENRY .. .. .                     | { District Council, Swinton, Lancs.              |
| 1897 Mar. 15.      | ERAUT, WALTER .. .. .                       | { 10 St. Mary's Road, Peckham, S.E.              |
| 1897 Nov. 10.      | ESPENT, CLAUDE VYVIAN ARMIT                 | { P.W.D., Jamaica.                               |
| 1896 Jan. 7.       | ETHERIDGE, ANTHONY .. ..                    | { Field & Morris, 4 Trafalgar Square, W.C.       |
| m 1895 Jan. 22.    | EURICH, HERMANN OSCAR ..                    | { 7 Selborne Villas, Bradford.                   |
| 1898 Mar. 15.      | FARRAN, FREDERICK ST. CLAIR                 | { Royal Indian Eng. Coll., Staines.              |
| 1896 Nov. 16.      | FARRANT, WILLIAM .. .. .                    | { City Engineer's Dept., Cape Town, C.C.         |
| 1896 Mar. 31.      | FEARON, HENRY CHARLES DIGBY                 | { 2 Heathfield Terrace, Halifax.                 |
| 1891 Nov. 9.       | FEATHERSTONE, HAROLD EDGAR                  | { Borough Surveyor's Office, Clesterfield.       |
| 1897 Feb. 16.      | FERGUSON, JAMES MILLER ..                   | { Mirlees, Watson & Yaryan Co., Glasgow.         |
| 1893 Nov. 14.      | FERRAR, WALTER INGLIS ..                    | { East Indian Ry., Calcutta.                     |
| 1892 Jan. 26.      | FFORDE, FRANCIS CRESWELL ..                 | { São Paulo Ry., São Paulo, Brazil.              |

| Date of Admission. |  | STUDENTS.   |  |
|--------------------|--|---|--|
| 1896 Mar. 31.      | FIELD, JAMES HERMANN ..                              | 14 Victoria Street, S.W.                                |  |
| 1895 Feb. 5.       | FIELD, MICHAEL BIRT ..                               | 78 Pepys Road, New Cross, S.E.                          |  |
| 1893 Nov. 28.      | FIRTH, WILLIAM JAMES ..                              | City Engineer's Office, Leeds.                          |  |
| 1895 Oct. 22.      | FISHER, FRANK, B.Sc. (Lond.)                         | 65 Perrymead Street, Fulham, S.W.                       |  |
| 1898 Feb. 1.       | FISHWICK, CHARLES ..                                 | { Waterloo House, Wellington Road, Hastings.            |  |
| 1897 Nov. 10.      | FITZSIMONS, HERBERT WALTER                           | J. J. Webster, 39 Victoria St., S.W.                    |  |
| 1896 Jan. 14.      | FLETCHER, WILLIAM HARKER                             | Litherland Park, near Liverpool.                        |  |
| 1897 Nov. 10.      | FOLKES, TUDOR DAVID ..                               | { Brookfield House, Lye, Stourbridge, Worcestershire.   |  |
| 1897 Nov. 23.      | { FORDHAM, RUSSELL GEORGE<br>BLAKE .. .. . }         | Odsey, Ashwell, Baldock, Herts.                         |  |
| 1896 Jan. 28.      | FORGAN, WILLIAM ..                                   | 160 Hope Street, Glasgow.                               |  |
| 1896 Mar. 3.       | FOX, CHARLES BERESFORD ..                            | Alyn Bank, Wimbeldon.                                   |  |
| 1895 Mar. 5.       | FOX, WILLIAM FRANCIS ..                              | Moor View, Bodmin Rd., St. Austell.                     |  |
| 1894 Oct. 16.      | FRANCIS, ARTHUR AUBREY ..                            |   |  |
| 1897 Dec. 7.       | FRANK, HERBERT WILLIAM ..                            | Chudleigh, Melton Constable.                            |  |
| 1892 Feb. 2.       | FRANKLAND, BALDWIN ..                                | City Eng.'s Office, Leeds. [burgh.                      |  |
| 1897 Apr. 6.       | FRASER, THOMAS CHRISTISON                            | Leslie & Reid, 72A George St., Edin.                    |  |
| 1897 Dec. 21.      | FRENCH, JAMES WEIR ..                                | 1 Kelvininside Terrace W., Glasgow.                     |  |
| 1896 Nov. 16.      | FREUND, GEORGE JOHN, JUN.                            | { Lancaster House, Dacres Road, Forest Hill, S.E.       |  |
| 1894 Mar. 6.       | FRIEDBERGER, MAURICE BRYHAM                          | Penygareg, Rhayader, Rads.                              |  |
|                    |  |   |  |
| 1896 Mar. 24.      | GALE, WALFORD HENRY ..                               | The Elms, Wallingford, Berks.                           |  |
| 1894 Jan. 23.      | GARE, ERNEST .. ..                                   | 23 Station Road, Redhill.                               |  |
| 1893 Nov. 14.      | GARNETT, SYDNEY HAROLD ..                            | Ousel Nest, near Bolton.                                |  |
| 1895 Jan. 29.      | GARRETT, ALFRED STEAD ..                             | Leiston, Suffolk.                                       |  |
| m ♣ 1895 Mar. 5.   | { GARVIE, ROBERT HALLEY,<br>B.Sc. (St. Andrews) .. } | L. & Y. Ry., Hunt's Bank, Manchester.                   |  |
| 1895 Jan. 29.      | GASKIN, FREDERIC WILLIAM ..                          | { Water Dept., Municipal Offices, Liverpool. [N.W.      |  |
| 1892 Dec. 20.      | GAVIN, JOSEPH MERRICKS ..                            | 65 South Hill Park, Hampstead.                          |  |
| 1896 Nov. 24.      | { GEARE, REGINALD EDWARD<br>GUYBON .. .. . }         | Westwood & Co., Napier Yard, Millwall, E. [S.W.         |  |
| 1893 Nov. 28.      | GEDYE, NICHOLAS GEORGE ..                            | W. T. Douglass, 15 Victoria Street,                     |  |
| 1895 Oct. 22.      | GEE, CHARLES DOUGLAS ..                              | 8 Swinley Road, Wigan.                                  |  |
| 1896 Dec. 1.       | GELLING, WILLIAM HILARY ..                           | 174 Great Western Road, Glasgow.                        |  |
| 1898 Mar. 29.      | GIBE, THOMAS .. ..                                   | 70 Pensbury Street, Darlington.                         |  |
| 1896 Dec. 1.       | GIBSON, ALEXANDER JAMES ..                           | Cornish Villa, Sutton, Surrey. [N.W.                    |  |
| 1894 Dec. 4.       | GIBSON, RALPH ERNEST ..                              | Chapelton, Sheffield.                                   |  |
| 1897 Nov. 10.      | { GLEADOWE, THOMAS EDWARD<br>ANDERSON .. .. . }      | Westcott Farm, New Swindon.                             |  |
| 1893 Jan. 17.      | GLENDINNING, FRED ..                                 | Boro' Surveyor's Office, Harrogate.                     |  |
| 1897 Nov. 10.      | GROSSPELIUS, OSCAR THEODOR                           | Endsleigh Place, Bedford.                               |  |
| 1895 Nov. 19.      | GODFREY, ALFRED GRICE ..                             | { Rutherford Brothers, Adderley Street, Cape Town, C.C. |  |
| m ♣ 1892 Dec. 20.  | GODFREY, CHARLES HENRY ..                            | Asst. Municipal Engineer, Shanghai.                     |  |
| 1897 Feb. 16.      | GODSON, EDWARD HAROLD ..                             | Cheadle House, Cheadle, Cheshire.                       |  |
| 1898 Feb. 22.      | GORDON, DOUGLAS .. ..                                | 29 Fellows Road, N.W.                                   |  |
| 1895 Jan. 8.       | { GORDON, HENRY HERMAN,<br>B.A. (Lond.) .. .. . }    | East Indian Railway, Calcutta.                          |  |
| 1896 Dec. 1.       | { GOSSET - TANNER, EDWARD<br>GOSSET .. .. . }        | 6 Northwick Terrace, N.W.                               |  |
| 1896 Nov. 24.      | { GRAHAM, ALFRED HENRY<br>IRVINE .. .. . }           | Arc Works, Chelmsford.                                  |  |
| 1895 Jan. 29.      | GRAHAM, DONALD CHARLES ..                            | 2 Lansdowne Road, Wimbeldon.                            |  |
| 1893 Nov. 14.      | GRAHAM, GEORGE ARCHIBALD                             | 35 Walton Well Road, Oxford.                            |  |
| 1896 Dec. 22.      | GRANT, ALASTAIR MACPHERSON                           | The Castle, Ballindalloch, N.B.                         |  |
| 1897 Mar. 29.      | GRANT, ALEXANDER .. ..                               | 66 West Kensington Mansions, W.                         |  |

| Date of Admission. | STUDENTS.   |   |
|--------------------|---|---|
| 1895 Dec. 3.       | GRANT, ALISTAIR MANN ..                                 | Highland Railway, Inverness.                                      |
| 1895 Jan. 8.       | GRAVELY, WILLIAM CECIL ..                               | 8 West Street, Horsham, Sussex.                                   |
| 1893 Feb. 21.      | GRAY, ANDREW .. ..                                      | S.S. "Grappler," Barbados.  |
| 1896 Jan. 28.      | { GRAY, ROBERT ANDERSON, }<br>B.Sc. (Edin.) .. ..       | Eng.'s Office, St. Enoch Station, Glasgow.                        |
| 1894 May 22.       | GRIESS, WILLIAM MASON ..                                | Uganda Ry., Mombasa, East Africa.                                 |
| 1894 Jan. 23.      | GRIFFITH, THOMAS HENRY ..                               | Manor House, Hale, Liverpool.                                     |
| 1893 Nov. 28.      | GRIGG, ALLAN DICKSON ..                                 | The Albion Club, Buenos Ayres.                                    |
| 1897 Feb. 2.       | GRIMLEY, FRANK CORBETT ..                               | R. E. Office, Colchester.   |
| 1895 May 14.       | GRINSHAW, ARTHUR .. ..                                  | { Houghton House, Houghton-le-Spring.                             |
| 1890 Dec. 16.      | GROVE, EDWARD LONG .. ..                                | Municipal Eng., Kwala Lumpur, S.S.                                |
| 1896 Nov. 16.      | GUEST, ROBERT .. ..                                     | 62 Elsham Road, Kensington, W.                                    |
| 1898 Mar. 15.      | GULLAND, CHARLES .. ..                                  | Royal Indian Eng. Coll., Staines.                                 |
|                    |   |   |
| 1893 Nov. 14.      | HACK, THOMAS ERNEST .. ..                               | 8 Burnaby Gardens, Chiswick, W.                                   |
| 1894 Dec. 4.       | HADOW, FREDERICK AUSTEN ..                              | E. B. S. Ry., Sultanpur, Bengal.                                  |
| 1896 Jan. 14.      | HAINWORTH, CHARLES SAMUEL                               | 59 Neptune Street, Hull.  |
| 1896 Jan. 14.      | HAINWORTH, ERNEST WILMOT                                | { Lucky Guss Gold Mine, Box 95,<br>Altman El Paso, Colorado, U.S. |
| 1894 Apr. 10.      | HALL, ARTHUR COLIN .. ..                                | 13 Berkeley Place, Wimbledon.                                     |
| m 1896 Dec. 1.     | HALL, WILFRED, B.A. (Cantab.)                           | Dilston Hall, Colbridge-on-Tyne.                                  |
| 1895 Oct. 22.      | HALL, WILLIAM BRASIER, R.N.                             | H.M.S. "Impérience," Pacific Station.                             |
| 1895 Mar. 5.       | HALLAWAY, JOHN POTTER ..                                | Gasworks, Colombo, Ceylon.  |
| 1896 May 19.       | HAMMOND, ROBERT WHITEHEAD                               | 5 Linden Gardens, Hornsey Lane, N.                                |
| 1897 Nov. 10.      | HANBURY, HERBERT WOOD ..                                | 10 Hillside St., Springburn, Glasgow.                             |
| 1895 Oct. 22.      | { HANCKEL, ALFRED WOODS, }<br>B.Sc. (Victoria) .. ..    | 71 Kremlin Drive, Stoneycroft, Liverpool.                         |
| 1895 Feb. 19.      | HANNA, ROBERT FARRAN ..                                 | Innismore, Delgany, co. Wicklow.                                  |
| 1895 Nov. 26.      | HARDCASTLE, HENRY ARTHUR                                | 36 Granville Rd., Stroud Green, N.                                |
| 1897 Nov. 10.      | HARPHAM, EDWARD STANLEY                                 | Gate Burton, Avenue Rd., Highgate,                                |
| 1897 Nov. 10.      | HARRISON, ERNEST YOUNG ..                               | Elim, London Road, Redhill. [N.]                                  |
| 1893 Nov. 14.      | HARRISON, FRANCIS ORTNER ..                             | 12 Ranelagh Rd., Harlesden, N.W.                                  |
| 1898 Jan. 25.      | { HARRISON, HERBERT EDWARD }<br>HYDE .. ..              | 6 St. George's Chambers, Cape Town, C.C.                          |
| 1895 Nov. 19.      | { HART, JOHN RUSSELL, }<br>B.A. (Cantab.) .. ..         | 2 South Parade, York.   |
| 1896 Nov. 16.      | { HARTNELL, GEORGE FREDERICK }<br>WILLIAM .. ..         | 14 Queen's Road, Wimbledon, S.W.                                  |
| 1895 Dec. 3.       | HARVEY, ALEXANDER HERBRAND                              | Apartado 355, Mexico City.  |
| 1896 Feb. 25.      | { HARVEY, EDWIN PERCY, }<br>B.A. (Cantab.) .. ..        | Cam House, Thompson's Lane, Cambridge.                            |
| 1897 Jan. 12.      | HARVEY, FRANCIS STEWART ..                              | H.M. Dockyard, Devonport.   |
| 1895 Oct. 22.      | HARVEY, STANLEY ST. GEORGE                              | Harbour Office, Belfast.  |
| 1898 Feb. 8.       | HASSARD, ARTHUR, B.A.I. (Dubl.)                         | Northern Counties Ry., Belfast.                                   |
| 1892 Nov. 22.      | HAWKINS, TOM SHIRLEY .. ..                              | 255 Shirley Road, Southampton.                                    |
| 1894 Nov. 27.      | HAYTON, GEORGE MARKHAM ..                               | 26 Wood St., Ladywood, Birmingham.                                |
| 1895 Oct. 22.      | { HAYWARD, JOSEPH WILLIAM, }<br>B.Sc. (Victoria) .. ..  | Dalton Hall, Victoria Park, Manchester.                           |
| 1896 Feb. 4.       | HEAD, BENJAMIN WRIGHTSON                                | 2 Portland Ter., Coatham, Redcar.                                 |
| 1893 Mar. 28.      | HEATH, LEOPOLD WILLIAM ..                               | { Cullenswood Terrace, Ranelagh, Dublin.                          |
| 1896 Dec. 15.      | HEATON, CHARLES HERBERT ..                              | King Street, Wigan.   |
| 1893 Dec. 12.      | HEBERT, HENRY FRANCIS ..                                | 20 Highfield Hill, Norwood, S.E.                                  |
| 1893 Nov. 7.       | HEELAS, GEORGE HERBERT ..                               | { 17 Lovaine Crescent, Newcastle-on-Tyne.                         |
| 1896 Nov. 16.      | { HEFFORD, CHARLES NELSON, }<br>B. Sc. (Victoria) .. .. | Chapel Lane, Headingley, Leeds.                                   |
| 1896 Apr. 14.      | HEINEMANN, SPENCER OSWALD                               | B. B. & C. I. Ry., Bombay.  |

Date of  
Admission.

## STUDENTS.

|                 |   |  |
|-----------------|---|--|
| 1897 Nov. 10.   | {HENRIQUES, EDWARD CECIL<br>QUIXANO .. .. .}            | Broughton Park, Manchester.  |
| 1897 Feb. 2.    | HENTY, MAURICE WALTER ..                                | 32 Eaton Square, S.W.  |
| 1897 Nov. 10.   | {HETHERINGTON, ROGER<br>GASKELL, B.A. (Cantab.)..}      | 3 Broadlands Road, Highgate, N.  |
| 1895 Nov. 19.   | {HEWETT, BERTRAM HENRY<br>MAJENDIE .. .. .}             | 7 Palliser Road, West Kensington,<br>W.  |
| 1898 Feb. 1.    | HEWETT, GERARD SHUCKBURGH                               | {1 De Vespi Place, Monkstown, co.<br>Cork.                                       |
| 1898 Feb. 15.   | HEWSON, JOHN TELFORD SYDNEY                             | 48 Petherton Road, Canonbury, N.   |
| 1897 Apr. 6.    | HEYL, OTTO MAX CONSTANTIN                               | 26 Hawthorn St., Newcastle-on-Tyne.  |
| 1898 Jan. 18.   | {HIGGINS, THOMAS HUTCHINSON,<br>B.A. (Cantab.) .. .. .} | {3 Cromer Terrace, Mount Preston,<br>Leeds.                                      |
| 1897 Nov. 10.   | HILDAGE, HENRY THOMAS ..                                | Gasworks, Altrincham.  |
| 1894 Jan. 9.    | HILL, CHARLES HAROLD ..                                 | Oudh & Rohilkund Ry., Lucknow.   |
| 1894 Dec. 4.    | HILL, DAVID GAY .. ..                                   | North British Ry., Edinburgh.  |
| 1894 Oct. 30.   | HILLMAN, VALENTINE ALBANY                               | 4 Westfield Park, Redland, Bristol.  |
| 1897 Nov. 23.   | HILTON, HAROLD CUNLIFFE..                               | City Surveyor's Office, Manchester.  |
| 1893 Mar. 14.   | HINCKS, HAROLD THORNTWHAITE                             | {Mysore Gold Mining Co., Mari-<br>kuppam, Mysore.                                |
| 1896 Nov. 16.   | {HINDLEY, CLEMENT DANIEL<br>MAGGS, B.A. (Cantab.) ..}   | E. I. Ry., Jamalpur, India.  |
| 1897 Jan. 12.   | HIPWOOD, JOHN WILLIAM ..                                | 23 Midland Road, Gloucester.   |
| 1894 Jan. 23.   | HODGSON, GEORGE HENRY ..                                | {J. W. Boulton, Strathfield, Sydney,<br>N.S.W.                                   |
| 1894 Feb. 20.   | HODSON, MURDOCH MACKENZIE                               | 1 Chester Terrace, Regent's Park, N.W.   |
| 1895 Mar. 5.    | HOGAN, CHARLES .. ..                                    | {Upper Stewiacke, Colchester Co.,<br>Nova Scotia.                                |
| 1895 Nov. 26.   | HOGARTH, WILLIAM HUGH ..                                | 6 Tanza Road, Hampstead, N.W.  |
| 1895 Mar. 12.   | HOLLAND, WILFRID .. ..                                  | 35 Lovaine Place, Newcastle-on-Tyne.   |
| 1897 Nov. 10.   | HOLLIDAY, JAMES HARRY ..                                | Cloughfold Vicarage, Manchester.   |
| 1896 Mar. 17.   | HOLLIDAY, JOHN .. ..                                    | 7 Dudley Road, West Bromwich.  |
| 1896 Dec. 15.   | {HOLLINGWORTH, EDWARD<br>WILLIAM, B.A. (Cantab.) ..}    | North Lodge, Ealing, W.  |
| 1897 Feb. 2.    | HOLLIS, SYDNEY AINSLIE ..                               | {T. Stewart, 6 St. George's Chambers,<br>Cape Town, C.C.                         |
| 1896 May 5.     | HOOD, DAVID WILSON .. ..                                | Trinity House, E.C. [N.E.]   |
| 1896 Mar. 17.   | HOOPER, PERCY NICHOLAS ..                               | Surrey House, Clapton Common,<br>(F. W. Chanter, Bridge Chambers,<br>Barnstable. |
| 1897 Nov. 10.   | HOPE, ADRIAN JAMES ROBERT                               | 153 Finborough Road, S.W.  |
| 1896 Mar. 3.    | HOUNSFIELD, FRANCIS CECIL ..                            | Ardmore, Buckhurst Hill, Essex.  |
| 1893 Nov. 14.   | HOWARD, FRANCIS ELIOT ..                                | City Engineer's Office, Leeds.   |
| 1897 Nov. 10.   | HOWATSON, ERNEST HODGSON                                | 30 Grafton Road, Bedford.  |
| 1895 Feb. 19.   | HOWE, CHARLES JOHN .. ..                                |  |
| 1897 Nov. 10.   | HUDSON, FREDERICK NOEL ..                               |  |
| 1892 Feb. 2.    | HULL, FRANCIS REGINALD ..                               | {W. Speers, São Paulo Railway, São<br>Paulo, Brazil.                             |
| 1892 Nov. 22.   | HUMMEL, FRANK HARVEY ..                                 | Mason University College, Birming-   |
| 1896 Feb. 4.    | HUMPHREY, BARNARD .. ..                                 | 37 Mount Preston, Leeds. [ham.]  |
| 1895 Jan. 8.    | HUNT, LOUIS JOHN .. ..                                  | 3 Queen's Road, Erith.   |
| 1894 Dec. 4.    | {HUNTINGFORD, GEORGE TRE-<br>MENHEERE .. .. .}          | P.W.D., Contai, Bengal.  |
| 1898 Feb. 22.   | HURLEATT, EDGAR SIMM ..                                 |  |
| 1896 Feb. 25.   | {HURLEY, FREDERICK ARTHUR,<br>F.C.H. .. .. .}           | {P.W.D., Irrigation Department,<br>Cairo.  |
| 1894 Apr. 10.   | HURST, GEORGE FREDERICK ..                              | The Woodruffs, Coalville, Leicester.   |
| m 1895 Nov. 26. | {HURT, FRANCIS WILLIAM<br>RICHARD .. .. .}              | Sandal Vicarage, Wakefield.  |
| 1895 Feb. 12.   | HUTCHINS, ERNEST EDWARD ..                              | {26 Plastrun Gardens, Canton,<br>Cardiff.  |
| 1893 Apr. 25.   | HUTCHINSON, WALTER JAMES                                | Rowley Avenue, Stirling.   |
| 1898 Jan. 25.   | HUTCHISON, WILLIAM .. ..                                | Birkhill House, Stirling.  |
| 1895 Jan. 8.    | {HUTTON, FRANCIS HENRY,<br>B.A. (Cantab.) .. .. .}      | Vicar's Court, Lincoln.  |



| Date of<br>Admission. | STUDENTS.  |  |
|-----------------------|--|--|
| 1894 Jan. 16.         | INCE, JOHN OSCAR .. ..   | { 15 Netherhall Gardens, Hampstead,<br>N.W.              |
| 1895 May 21.          | INGLIS, JOHN, B.Sc. ( <i>Edin.</i> ) ..                              | James Young, Spean Bridge, N.B.                          |
| 1894 May 1.           | INGLIS, JOHN HENRY .. ..   | Harbour Works, Folkestone.                               |
| 1898 Mar. 29.         | INGRAM, NORMAN MURRAY ..   | { Boro' Engineer's Office, West<br>Hartlepool.           |
| 1897 Jan. 26.         | IRVINE, JAMES PEARSON ..   | Cold Springs, Buxton.                                    |
| 1894 May 1.           | IZAT, ANDREW HAMILTON ..   | { B. & N.W. Railway, Gorakhpur,<br>N.W.P., India.        |
| 1894 Dec. 4.          | JACKSON, ALFRED ERNEST ..  | Boro' Engineer's Office, Hull.                           |
| 1894 Mar. 6.          | JACKSON, ARTHUR .. ..  | Admiralty Extension, Devonport.                          |
| 1896 Nov. 16.         | { JACKSON, CLEMENTS FREDERICK<br>VIVIAN, B.E. ( <i>Sydney</i> ) .. } | Darling Point, Sydney, N.S.W.                            |
| 1897 Mar. 29.         | JACKSON, HARRY .. ..   | { 29 Barrfield Road, Pendleton, Man-<br>chester.         |
| 1897 Nov. 10.         | { JACOMB-HOOD, MALCOLM SUTHER-<br>LAND .. .. }                       | 19 Sheriff Road, West Hamp-<br>stead, N.W.               |
| 1895 Nov. 19.         | JAFFÉ, DANIEL .. ..  | { Pen-y-Garey, Elan Valley, Rhaya-<br>der, Rads.         |
| 1895 Nov. 19.         | JAKEMAN, CHRISTOPHER ..  | Bouldnor Lodge, Lewisham Hill, S.E.                      |
| f m 1894 Oct. 16.     | { JAMESON, ALEXANDER HOPE,<br>M.Sc. ( <i>Victoria</i> ) .. .. }      | Roxburgh, Winton Road, Bowdon,<br>Cheshire.              |
| 1897 Nov. 10.         | JAMESON, WILLIAM .. ..   | 46 Devonshire Road, Liverpool.                           |
| 1898 Mar. 29.         | JANSON, VINCENT TINDALL ..   | Etherington Hill, Speldhurst, Kent.                      |
| 1894 Mar. 6.          | JEBB, ALVERY ATCHERLEY ..  | Great Western Ry., Wolverhampton.                        |
| 1895 Oct. 22.         | JEFFCOAT, CYRIL MURE ..  | 12 Avenue Elmers, Surbiton.                              |
| 1894 May 1.           | JOHNSTON, WILLIAM .. ..  | { J. T. Babbie, 37 Church Street,<br>Dumbarton.          |
| 1896 Feb. 25.         | JONES, ARTHUR HENRY ..   | { W. T. Douglass, 15 Victoria St.,<br>S.W.               |
| 1897 Nov. 23.         | { JONES, EVELYN LLEWELLYN<br>HUSTLER, B.A. ( <i>Oxon.</i> ) .. }     | 25 Bernard Street, Russell Square,<br>W.C.               |
| 1896 May 5.           | JONES, FREDERICK JAMES ..  | Ry. Dept., Dunedin, N.Z.                                 |
| 1894 Nov. 20.         | JONES, FREDERICK TALFOURD  | Rosebank, Eastbourne.                                    |
| 1897 Mar. 29.         | JONES, HARRY OSCAR .. ..   | 24 Brunswick Road, Gloucester.                           |
| 1895 Nov. 5.          | JONES, JOHN ALEXANDER ..   | B. B. & C. I. Ry., Bombay.                               |
| 1896 May 5.           | JONES, STANLEY HUNTER ..   | Marden Ash, Ongar.                                       |
| 1893 May 2.           | JONES, WILLIAM GORDON ..   | Waterworks, Llwydeoed, S. Wales.                         |
| 1896 Nov. 16.         | { JONKLAAS, ALGERNON CLARENCE<br>BYRDE .. .. }                       | Osborn Lodge, Cinnamon Gardens,<br>Colombo, Ceylon.      |
| 1892 May 17.          | JOSELIN, EDWARD LIVINGSTONE  | { Heenan & Froude, 4 Chapel Walks,<br>Manchester.        |
| 1895 Oct. 22.         | JULIUS, GEORGE ALFRED ..   | { Government Workshops, Fremantle,<br>Western Australia. |
| 1894 Nov. 20.         | KAY, CHARLES WARRE .. ..   | Poste Restante, Buenos Aires.                            |
| 1896 Nov. 16.         | KAYE, WILLIAM JAMES ..   | { Worcester Court, Worcester Park,<br>Surrey.            |
| 1897 Jan. 26.         | KEAY, WILLIAM GREGORY ..   | { Bramble Bank, Camphill, Broughty,<br>Ferry, N.B.       |
| 1895 Dec. 3.          | KEEVILL, ROBERT GRAHAM ..  | { Haslemere, Raudall Road, Clifton,<br>Bristol.          |
| m 1894 Dec. 4.        | KEIGWIN, ARCHER DAVE ..  | { 1 Havelock Villas, Beaver Road,<br>Ashford.            |
| 1894 May 22.          | KELLY, ARTHUR CLIFTON ..   | 10 Grove Crescent, Stratford, E.                         |
| 1896 Nov. 16.         | { KEMPE, WILLIAM HENRY<br>CORYTON .. .. }                            | Jarkwa Ry., Secunder, Gold Coast.                        |
| 1895 Mar. 19.         | KENNEDY, JOHN ALOYSIUS ..  | 8 Ailesbury Road, Merriion, Dublin.                      |
| 1898 Jan. 18.         | KENNEDY, JOHN MCFARLANE.   | 1 Queen Anne Street, W.                                  |
| 1892 May 24.          | KENNEDY, ROBERT SINCLAIR ..  | Glengall Ironworks, Millwall, E.                         |
| 1894 May 1.           | KENT, FREDERICK GORDON ..  | 147 Church Lane, Old Charlton, S.E.                      |

|   | Date of Admission. | STUDENTS.  |   |
|---|--------------------|--|---|
|   | 1896 May 19.       | KERR, JAMES MORTON .. ..   | Harbour Engineer's Office, Aberdeen.                                |
|   | 1895 Dec. 3.       | KERR, RENNIE MALCOLM .. ..   | Gokak Falls, Belgaum, India.  |
|   | 1897 Feb. 16.      | KILLICK, JOHN SPENCER .. ..  | Yalding, near Maidstone.  |
|   | 1894 Dec. 4.       | KINMONT, DAVID WATSON .. ..  | { Springfield, South Oswald Road, Edinburgh.                        |
|   | 1895 Nov. 5.       | KIRKBY, HENRY MCKENZIE .. ..                                       | 6 Addison Park Mansions, W.   |
|   | 1891 Nov. 3.       | { KIRKPATRICK, CYRIL REGINALD }<br>SUTTON .. .. .                  | { Speranza, Liversedge, Normanton. [port.                           |
| m | 1893 Jan. 10.      | KITCHIN, JOHN WILLIAM .. ..  | 58 Haddington Road, Stoke, Devon-                                   |
|   | 1894 Oct. 30.      | KNIGHT, ARTHUR BERTRAM .. ..                                       | Elan Aqueduct, Knighton, Rads.                                      |
|   | 1897 Dec. 7.       | KNIGHT, JOHN ARTHUR .. ..  | St. Olaves, Park Avenue, Harrogate.                                 |
|   | 1893 Nov. 28.      | KÜHL, HARRIS JÜRGEN CARL ..  | Engineer's Office, Dock No. 2, Barry.                               |
|   |                    |  |   |
|   | 1896 Dec. 1.       | LAING, JOHN ROSS .. .. .   | 16 Summerside Place, Leith, N.B.                                    |
|   | 1897 Nov. 10.      | LAKE, WALLACE STICKLAND .. ..                                      | 2 Marlborough Road, Plymouth.                                       |
|   | 1897 Mar. 29.      | LAMBERT, ANTHONY POIGNAND ..                                       | 18 Athenæum Street, Plymouth.                                       |
|   | 1898 Mar. 15.      | LAMETON, EDWARD .. .. .  | Royal Indian Eng. Coll., Staines.                                   |
|   | 1898 Mar. 29.      | LANE, HUGH SEPTIMUS .. ..  | { Eng.'s Office, L. & N. W. Ry., Euston, N.W.                       |
|   | 1897 Nov. 10.      | { LANGTON, JOHN MONTAGUE }<br>ELLIS, B.A. ( <i>Cantab.</i> ) .. .. | { 62 Harley Street, W.  |
|   | 1894 Dec. 4.       | LAPWORTH, HERBERT .. .. .  | Nantgwyllt Place, Rhayader, Rads.                                   |
|   | 1893 Dec. 19.      | LARKE, WILLIAM JAMES .. ..   | Homerdale, Mottingham, Kent.  |
|   | 1893 Jan. 31.      | LATHAM, FRANK .. .. .  | Westbourne House, Margate.  |
|   | 1895 Feb. 12.      | LAWRENCE, RICHARD PRIESTLEY ..                                     | { G. N. Ry., Eng.'s Office, King's Cross, N.                        |
|   | 1895 Dec. 3.       | { LAWSON, JOHN CHARLES }<br>STAVELEY .. .. .                       | { Bombay-Burma Trading Corpora- tion, Rangoon.                      |
|   | 1897 Dec. 7.       | { LEAF, ALBERT AUGUSTINE, }<br>B.A. ( <i>Cantab.</i> ) .. .. .     | { Burlington Lodge, Streatham, S.W.                                 |
|   | 1892 Mar. 1.       | LEKE, HENRY COOK .. .. .   | 141 Church Lane, Charlton, S.E.                                     |
|   | 1897 Nov. 10.      | LEROYD, HAROLD BROOK .. ..   | P. W. Secretariat, Bombay.  |
|   | 1895 Nov. 26.      | LEESON, GEORGE WILLIAM .. ..                                       | { Assist. Engineer, River Steam Navi- gation Co., Goalundo, Bengal. |
|   | 1898 Mar. 29.      | LEGGE, RONALD GEORGE .. ..   | Northgate House, Warwick.   |
|   | 1893 Nov. 1.       | LESLIE, JAMES PATRICK .. ..  | S. Indian Ry., Trichinopoly, India.                                 |
|   | 1895 Nov. 5.       | LEWIS, ARTHUR WILFRID .. ..  | { Frankley Waterworks, Northfield, Birmingham.                      |
|   | 1894 Dec. 4.       | LIGHTFOOT, CECIL .. .. .   | 1 Old Dover Road, Blackheath, S.E.                                  |
|   | 1897 Mar. 29.      | LINES, ALFRED .. .. .  | L. D. & E. C. Ry., Chesterfield.                                    |
|   | 1897 Dec. 7.       | LING, JOHN RICHARDSON .. ..  | Wardington, near Banbury.   |
|   | 1896 Jan. 7.       | LIST, JOHN FORSTER .. .. .   | { 4 Hamilton Terrace West, Partick, Glasgow.                        |
|   | 1896 Jan. 7.       | LITTLE, MALCOLM .. .. .  | { 3 St. Martin's Terrace, Chapeltown Road, Leeds. [Transvaal.       |
|   | 1894 May 22.       | LITTLE, MATTHEW .. .. .  | Sheta Gold Mining Co., Eureka City,                                 |
|   | 1895 Feb. 19.      | LLOYD, HENRY GARDINER .. ..  | 19 Gayton Road, Hampstead, N.W.                                     |
| m | 1894 Oct. 30.      | LLOYD-DAVIES, DAVID ERNEST ..                                      | Wyre Court, Bewdley.  |
|   | 1897 Nov. 23.      | LOCKET, ATHOL .. .. .  | Knockhold Chase, Greenhithe, Kent.                                  |
|   | 1898 Mar. 29.      | LONGLEY, ROBERT JAMES .. ..  | 13 Clarendon Place, Leeds.  |
|   | 1894 Dec. 4.       | LOVELL, JAMES HARRY .. ..  | Marlow.   |
|   | 1896 Dec. 1.       | LOVIBOND, RICHARD WATSON ..  | { 20 St. George's Mansions, Vauxhall Bridge Road, S.W.              |
|   | 1895 Oct. 22.      | { LUCAS, FREDERIC HORACE }<br>FAVIELL .. .. .                      | { Bratton Fleming, near Barnstaple.                                 |
|   | 1893 Nov. 28.      | LUCAS, OWEN DAVID .. .. .  | 10 Westbourne Terrace, W.   |
|   | 1894 Mar. 13.      | LUPTON, HARRY, JUN. .. ..  | Council Offices, Great Malvern.                                     |
|   | 1898 Mar. 29.      | LYLE, TOM FORTESCUE .. ..  | { Joel & Co., 31 Wilson Street, Finsbury, E.C.                      |
|   | 1892 Apr. 26.      | LYNDE, GERALD GASCOIGNE ..   | { Summer Villa, South Grove, Brook- lands, Manchester.              |

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|--------------------|--|---|
| 1897 Dec. 21.      | MACCALL, WILLIAM TOLMÉ ..  | 7 Argyle Road, Southport.                           |
| 1896 May 19.       | { McCLEAN, WILLIAM NEWSAM, ..<br>B.A. ( <i>Cantab.</i> ) .. .. . } | Eng.'s Office, Deep Lock, Barry Docks, Cardiff.     |
| 1896 Nov. 16.      | McCONAGHY, ROBERT ALLEN  | Collieries Railway, Molteno, Cape Colony.           |
| 1892 Nov. 8.       | { McCORMICK, CHARLES WILLIAM ..<br>ALEXANDER ORR PATERSON }        | e.o. Mrs. McCormick, 17 Auriol Road, Kensington, W. |
| 1894 Oct. 30.      | McCREATH, CHARLES .. ..  | James Young & Sons, Strathaven, Lanarkshire.        |
| 1897 Dec. 7.       | MacDERMOTT, OWEN LEONARD   | 31 Park Square, Leeds.                              |
| m 1895 Mar. 26.    | McDONALD, EDWARD SLATER  | G. W. Ry., Engineer's Office, Paddington, W.        |
| 1897 Jan. 12.      | { MACDONALD, WILLIAM ..<br>RICHARD .. .. . }                       | 12 Peru Street, Higher Broughton, Manchester.       |
| 1896 Feb. 4.       | MACDONELL, DANIEL HARRISON   | Uganda Ry., Mombasa, East Africa.                   |
| 1897 Nov. 23.      | { McFADYEAN, WILLIAM ..<br>MATTHEWS .. .. . }                      | 4 Penrose Terrace, Penzance.                        |
| 1897 Nov. 10.      | { McGREGOR, STUART WILLIAM ..<br>BUCHANAN .. .. . }                | 28 Heathland Road, Stoke Newington, N.              |
| 1893 Dec. 12.      | McILQUHAM, WILLIAM .. ..   | The Cottage, Great Ayton, Yorks.                    |
| 1896 Jan. 7.       | MACKAY, ROBERT GORDON ..   | 3 Oliver Grove, South Norwood, S.E.                 |
| 1893 Nov. 21.      | { McKENZIE, ALEXANDER LAW-<br>RENCE .. .. . }                      | Byculla Saw Mills, Mazagon, Bombay.                 |
| 1892 Nov. 22.      | { MACKENZIE, ALEXANDER ..<br>RODERICK .. .. . }                    | Wm. Mackenzie, 37 Church Street, Inverness.         |
| 1897 Nov. 10.      | { MACKILLOP, GARDINER ..<br>HENDERSON, B.Sc. ( <i>Glas.</i> ) .. } | G. W. Ry., Engineer's Office, Paddington, W.        |
| 1896 Nov. 16.      | { MACKINNON, FREDERICK ALEX-<br>ANDER .. .. . }                    | 6 Bristol Road, Birmingham.                         |
| 1897 Nov. 10.      | MACLEAN, JOHN MACGAVIN ..  | { Formans & McCall, 160 Hope St., Glasgow.          |
| 1896 May 5.        | MACNEE, DANIEL .. .. .   | Roselands, Surbiton Hill.                           |
| 1897 Dec. 7.       | MACRAE, RANALD .. .. .   | 11 Queen's Gardens, Aberdeen.                       |
| 1898 Feb. 8.       | McRITCHIE, CHARLES BELL ..   | { 1 Broomhill Terrace, Partick, Glasgow.            |
| 1894 Feb. 20.      | MADDOCKS, ARTHUR PERCY ..  | Cwm Elan, Rhayader, Rads.                           |
| 1894 Dec. 4.       | MAEERS, FRANK .. .. .  | { 11 Meeting House Lane, Peckham, S.E.              |
| 1896 Mar. 31.      | MAIR, GEORGE PASCOE .. ..  | Escher, Wyss & Co., Zürich.                         |
| 1892 Dec. 20.      | MAKOVSKI, ALBERT WATERLOW  | Fairlawn, Redhill.                                  |
| 1896 Dec. 1.       | MALIM, JOHN CHARLES .. ..  | 59 Lee Road, Blackheath, S.E.                       |
| 1897 Nov. 23.      | { MALLAGH, JOSEPH, B.A., B.E. ..<br>( <i>Royal</i> ) .. .. . }     | Springmount, Meath Road, Bray, Ireland.             |
| 1896 May 5.        | MALLINSON, SIDNEY RICHARD  | Boro' Engineer's Office, Hull.                      |
| 1896 Jan. 7.       | MARRIAN, HAROLD GREENWOOD  | 9 Plympton Road, Kilburn, N.W.                      |
| 1892 Apr. 5.       | MARSH, HAROLD HENRY .. ..  | Highland Railway, Inverness.                        |
| 1896 Dec. 1.       | { MARSH, HENRY HERBERT ..<br>STANLEY .. .. . }                     | 19 Lansdowne Crescent, Ladbroke Grove, W.           |
| 1893 Mar. 7.       | MARSH, JOHN GEORGE RALPH   | Madras Ry., Calicut, India.                         |
| 1894 Dec. 4.       | MARSHALL, JOHN FREDERICK ..  | King's College, Cambridge.                          |
| 1894 Nov. 27.      | MARSHALL, MORTIMER HILL ..   | 37 Old Jewry, E.C.                                  |
| 1893 Nov. 14.      | MARSLAND, ROLAND .. .. .   | Ruswarp, Purleigh, Essex.                           |
| 1897 Dec. 7.       | MARTIN, ARTHUR WALLACE ..  | { 25 Grantly Gardens, Shawlands, Glasgow.           |
| 1896 Dec. 1.       | { MARTIN, ROBERT EDMUND, ..<br>B.A. ( <i>Cantab.</i> ) .. .. . }   | Byfield, R.S.O., Northants.                         |
| 1898 Mar. 29.      | MASTER, ROBERT CREASY .. ..  | 5 Tavistock Street, W.C.                            |
| 1893 May 9.        | MATHER, HENRY THOMAS .. ..   | { Brunswick Lodge, Berrylands, Surbiton Hill.       |
| 1895 Mar. 5.       | { MATHESON, ATHERTON GRE-<br>VILLE EWING .. .. . }                 | 31 Clarendon Road, Leeds.                           |
| 1895 May 21.       | MATHIESON, JAMES GRAY .. ..  | 7 Meynell Rd., South Hackney, E.                    |

| Date of Admission. |   | STUDENTS.  |  |
|--------------------|---|--|--|
| 1896 Nov. 17.      |   | { MAURICE, CHARLES JAMES }<br>KINDERSLEY .. .. .     | Aylesbury.   |
| 1896 Nov. 16.      |   | { MEEK, JOSEPH BERTRAM }<br>LLOYD .. .. .            | Topham, Jones & Railton, Port Talbot.                  |
| 1896 Dec. 22.      |   | MENZIES, ARTHUR WILLIAM ..                           | Menaibank, Carnarvon.                                  |
| 1897 Apr. 6.       |   | MERCER, LAURENCE LESTOCK                             | 39 Gordon Road, Ealing, W.                             |
| 1897 Dec. 7.       |   | MESSEBOY, CHARLES DE FAYE                            | Royal Naval College, Greenwich,                        |
| 1896 Nov. 16.      |   | MEYRICK, ARTHUR .. .. .                              | 37 Mount Preston, Leeds. [S.E.]                        |
| 1897 Apr. 6.       |   | { MEYRICK-JONES LEONARD }<br>MEYRICK .. .. .         | { Bawdeswell Hall, East Dereham, Norfolk.              |
| 1895 Feb. 26       |   | { MIDDLETON, PERCY ALBERT }<br>HIRST .. .. .         | { 3 Sirdar's Palace, Apollo Street, Bombay.            |
| 1896 Feb. 4.       |   | { MIDDLETON, ROBERT CARRINGTON }<br>TON .. .. .      | Sheepscar Foundry, Leeds.                              |
| 1895 Nov. 19.      |   | MIDDLETON, THOMAS TYSON ..                           | Thorpe Mandeville, nr. Banbury.                        |
| 1896 Feb. 25.      |   | MIDDLETON, WILLIAM .. ..                             | Arc Works, Chelmsford.                                 |
| 1896 Mar. 31.      |   | { MILLER, EDWARD THOMAS }<br>EVERY .. .. .           | { Assam-Bengal Ry., Haflong, Cachar, India.            |
| 1895 Nov. 5.       |   | { MILNER, HAROLD WOOD, }<br>M.Sc. (Victoria) .. ..   | 14 Pyrland Road, Highbury, N.                          |
| 1897 Nov. 23.      |   | MINNITT, HENRY WILLIAM ..                            | Kingston Hill, Norbiton, S.W.                          |
| 1892 Nov. 22.      |   | MITCHELL, CLIFFORD .. ..                             | 17 Pier Road, Erith, Kent.                             |
| 1892 Nov. 22.      |   | { MITCHELL, HUGH HENRY }<br>GORDON .. .. .           | { Harbour Works, Dover.                                |
| 1894 May 22.       |   | MITCHELL, JAMES BOON .. ..                           | 61 Weston St., Upper Norwood, S.E.                     |
| 1893 Nov. 21.      |   | MOBERLY, JAMES EDWARD ..                             | 32 Upper Hamilton Terrace, N.W.                        |
| 1895 Jan. 29.      |   | MOLONY, FREDERICK ARTHUR                             | { Hyderabad-Godavery Valley Ry., Secunderabad, Deccan. |
| 1894 Oct. 30.      |   | { MONK, JAMES EDMONDSON, }<br>B.Sc. (Victoria) .. .. | { Grindlay & Co., Calcutta.                            |
| 1898 Feb. 15.      |   | { MOON, FREDERICK WILLIAM, }<br>B.E. (Royal) .. .. . | { Castlederg, co. Tyrone.                              |
| 1893 May 9.        |   | MORE, JOHN RHYS .. .. .                              | Govt. Rys., Mafeking, C.C.                             |
| 1896 Jan. 7.       |   | MORGAN, ALFRED MARK .. ..                            | Braeside, The Avenue, Beckenham.                       |
| 1895 Jan. 8.       |   | MORGAN, FRANCIS EDWARD ..                            | D'Eresby House, Ealing, W.                             |
| 1894 Nov. 20.      |   | MORRIS, EDWARD HAROLD ..                             | { 39 George Street, Cheetham Hill, Manchester.         |
| 1893 Apr. 25.      |   | MORRIS, HARRY .. .. .                                | St. Saviours Place, Jersey. [W.]                       |
| 1892 Dec. 6.       | m | MORRIS, JOHN TURNER .. ..                            | 13 Somers Road, Hyde Park Square,                      |
| 1897 Jan. 12.      |   | MORRIS, RICHARD FRANCIS ..                           | 43 Caeran Park, Newport, Mon.                          |
| 1896 Jan. 7.       |   | MORRIS, WILLIAM GERALD ..                            | Kent Waterworks, Deptford, S.E.                        |
| 1895 May 14.       |   | MORRISON, HARRY SCOTT ..                             | Laurel Bank, Partick, Glasgow.                         |
| 1897 Feb. 2.       |   | MORTON, ANDREW HOME .. ..                            | 95 Bath Street, Glasgow. [la-Zouch.                    |
| 1893 Nov. 28.      |   | MOSELEY, ARTHUR .. .. .                              | Urban District Council, Ashby-de-                      |
| 1898 Jan. 18.      |   | MOTT, SYDNEY FRANK .. ..                             | { Westmoreland Lodge, Wisteria Road, Lewisham, S.E.    |
| 1895 Oct. 22.      |   | MOWAT, MAGNUS, JUN. .. ..                            | { Gt. Central Ry., Talbot Lane, Leicester.             |
| 1898 Mar. 29.      |   | MOWBRAY, FRANK HERBERT .                             | Delftsche Vaart 53, Rotterdam.                         |
| 1895 May 14.       |   | MOWBRAY, JOHN LESLIE ..                              | { Strain & Robertson, 154 West George Street, Glasgow. |
| 1896 Dec. 1.       |   | MOYS, HERBERT .. .. .                                | Gasworks, Ossett, Yorks.                               |
| 1891 Dec. 8.       |   | MUGLISTON, HAROLD .. ..                              | { Midland Ry., Purchase St., St. Pancras, N.W.         |
| 1896 Nov. 16.      |   | MUIR, WILLIAM DUNLOP ..                              | { Warren & Stuart, 115 Wellington Street, Glasgow.     |
| 1894 Dec. 4.       |   | MULLINGS, CLEMENT TUDWAY                             | Cirencester.   |
| 1896 Dec. 15.      |   | MULLINGS, TOM OSBERN ..                              | 26 Hamlet Road, Chelmsford.                            |
| 1890 Dec. 2.       |   | { MUNNIE, ERNEST CHARLES }<br>ADAMS .. .. .          | { B. & N. W. Ry., Gorakhpur, N.W.P., India.            |
| 1895 Jan. 29.      |   | MURPHY, MATTHEW ALEXANDER                            | Govt. Rys., Port of Spain, Trinidad.                   |
| 1894 Apr. 3.       |   | { MURRAY, ROBERT ALAN }<br>ERSKINE .. .. .           | { Invergarry and Fort Augustus Ry., Aberchelder, N.B.  |



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| 1894 Oct. 16.      | NANGLE, HUGH GERALD ..                                    | G. W. Ry., Chipping Sodbury.                                     |  |
| 1894 Mar. 6.       | NAPIER, HERBERT FOLEY ..                                  | 21 Vincent Square, S.W.  |  |
| 1896 Nov. 16.      | {NARDIN, ERNEST WILLOUGHBY,<br>B.E. (Sydney) .. .. .}     | Mount Morgan, Queensland.  |  |
| 1894 Dec. 11.      | NEATE, ALFRED NOËL ..                                     | {Pearson & Son, G. W. Ry., Wootton Bassett.                      |  |
| 1895 Mar. 26.      | NEISH, JAMES.. .. .                                       | 2 York View, Pocklington, Yorks.                                 |  |
| 1896 Nov. 16.      | NELSON, CAMPBELL JAMES ..                                 | {Mrs. Murray, 9 Mansfield Place,<br>Pitt Street, Glasgow.        |  |
| 1896 Nov. 16.      | NELSON, JOHN WEDDALL ..                                   | Clifton Manor, York.   |  |
| 1894 Dec. 4.       | NEWMARCH, DOUGLAS CLAUD ..                                | Imperial Railways, Tientsin, China.                              |  |
| 1893 Mar. 7.       | {NEWTON, EDWIN BENNETT<br>BRIERLEY .. .. .}               | 131 Monton Road., Eccles, Lancs.                                 |  |
| 1897 Nov. 23.      | NICHOLSON, FRANCIS HENRY..                                | 25 Cliveden Place, Eaton Square, S.W.                            |  |
| 1895 Mar. 5.       | NIELSON, JOHN FREDERICK ..                                | Viewbank, Bothwell, N.B.   |  |
| 1894 Mar. 6.       | NIMMO, DAVID .. .. .                                      | {Beattie & Sons, 29 Fountainbridge,<br>Edinburgh.                |  |
| 1893 Dec. 19.      | NIMMO, JAMES VALENCE ..                                   | Assam-Bengal Ry., Shillong, Assam.                               |  |
| 1895 May 14.       | NIVEN, JAMES JUST .. ..                                   | Y.M.C.A., Cape Town, C.C.  |  |
| 1893 Nov. 28.      | NUTTALL, HERBERT .. ..                                    | 175 Fernsholme, Bury, Lancs.                                     |  |
| 1895 Mar. 5.       | OAKDEN, RALPH .. .. .                                     | {District Surveyor's Office, Lincoln<br>Street, Newark.          |  |
| 1896 Feb. 25.      | OAKES, HENRY KELLETT ..                                   | Portaliffe, Killeshandra, co. Cavan.                             |  |
| 1896 Nov. 16.      | OAKLEY, HAROLD KINGSFORD ..                               | Cromlix, Chislehurst.  |  |
| 1896 May 19.       | O'BRIEN, HENRY EOGHAN ..                                  | {27 Melbourne Grove, Horwich,<br>Lancs.                          |  |
| 1896 Dec. 1.       | ODDY, JAMES, B.Sc. (Victoria)                             | Charlestown, Baildon, Shipley, Yorks.                            |  |
| 1898 Feb. 8.       | {ODLING, GEORGE SMEE, B.A.<br>(Oxon.).. .. .}             | 150 Ladbroke Grove, W.   |  |
| 1898 Mar. 15.      | O'TOOLE, EDWARD .. .. .                                   | 152 Vauxhall Bridge Road, S.W.                                   |  |
| 1898 Feb. 1.       | OTWAY, JAMES HASTINGS ..                                  | Fairmount, Waterford.  |  |
| 1896 Jan. 7.       | {PACK-BERESFORD, ALGERNON<br>DUNBAR .. .. .}              | Lambert Buildings, Gomersal,<br>Leeds.                           |  |
| 1898 Mar. 15.      | PADDAY, ARTHUR CAMPBELL..                                 | Royal Indian Eng. Coll., Staines.                                |  |
| 1895 Oct. 22.      | PALLANT, THOMAS EDMUND ..                                 | Tramways Co., Calcutta.  |  |
| 1896 Feb. 4.       | PALMER, GEORGE FREDERIC ..                                | Boro' Surveyor's Office, Poole                                   |  |
| 1894 Dec. 4.       | PARK, WILLIAM MORTON ..                                   | 23 Dudley Avenue, Leith, N.B.                                    |  |
| 1893 Nov. 14.      | PARKIN, FRANK .. .. .                                     | Prudential Buildings, Nottingham.                                |  |
| 1893 Dec. 12.      | PARKINSON, FRANK LOCKHART                                 | {Great Central Ry., Guide Bridge,<br>Lancs.                      |  |
| 1897 Nov. 10.      | PARKINSON, STANLEY .. ..                                  | {Grosvenor House, Grosvenor Street,<br>Ellesmere Port, Cheshire. |  |
| 1897 Dec. 7.       | {PARSONS, Hon. GEOFFREY LAU-<br>RENCE, B.A. (Oxon.) .. .} | 13 Bristol Terrace, Newcastle-on-<br>Tyne.                       |  |
| 1897 Dec. 7.       | PATERSON, JAMES .. .. .                                   | The Shrubbery, Cheltenham.                                       |  |
| 1896 Mar. 31.      | PEARSON, EDWARD ERNEST ..                                 | 10 Victoria Street, S.W.   |  |
| 1896 Jan. 7.       | PEARSON, GEOFFREY HOPE ..                                 | 2 Gloucester Terrace, New Swindon.                               |  |
| 1892 Jan. 11.      | PEARSON, KENNETH RAMSAY ..                                | 11 Viceroy Road, Vauxhall, S.W.                                  |  |
| 1898 Mar. 15.      | PEDDIE, CROFTON .. .. .                                   | Royal Indian Eng. Coll., Staines.                                |  |
| 1895 Nov. 5.       | PENNY, HENRY CHARLES ..                                   | {Altamira, Stonebridge Park, Willes-<br>den, N.W.                |  |
| 1895 Nov. 5.       | PERRY, GEORGE STEPHENS ..                                 | {43 Willoughby Terrace, Burrell<br>Road, Ipswich. [W.            |  |
| 1894 Jan. 23.      | PETAVEL, JOSEPH ERNEST ..                                 | 34 Abingdon Mansions, Kensington,                                |  |
| 1891 Dec. 8.       | PETERS, NEIL JAMES .. ..                                  | Waterworks Office, Southampton.                                  |  |
| 1898 Mar. 15.      | PHILLIPS, ARTHUR ERNEST ..                                | High Croft, St. Albans.  |  |

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| 1898 Mar. 29.      | { PHILLIPS, CUTHBERT CAR-<br>RUTHERS .. .. . }          | Elton House, Dean Street, Swindon.                           |
| 1894 Oct. 30.      | PHILLPOTTS, WILLIAM MANLEY                              | { Marysville, Lewis & Clarke Co.,<br>Montana, U.S.           |
| 1897 Nov. 23.      | PHIPPS, NEVILLE LECKONBY..                              | 21 Vincent Square, S.W.                                      |
| 1894 Dec. 4.       | PIDDOCKE, THOMAS NEWBOLD                                | 33 Reservoir Street, Leeds.                                  |
| 1896 Nov. 16.      | PITCAIRN, FRANCIS BERNARD                               | Belmont, Harrow.   |
| 1898 Mar. 15.      | PLUMMER, ARTHUR HERBERT                                 | Royal Indian Eng. Coll., Staines.                            |
| 1895 Oct. 22.      | POCKLINGTON, ROBERT HENRY                               | Old Manor, Chelsworth, Suffolk.                              |
| 1898 Mar. 1.       | POPE, THOMAS HENRY .. ..                                | South Street, Ponder's End, N.                               |
| 1897 Nov. 10.      | { POWELL, HERBERT JAMES<br>BINGHAM .. .. . }            | 7 Blandford Place, Regent's Park,<br>N.W.                    |
| 1898 Mar. 29.      | { PRENDERGAST, HUBERT HEW<br>LORRAINE .. .. . }         | Madras Railway, Arkonam, Madras.                             |
| 1898 Feb. 1.       | PRICE, BERNARD .. .. .                                  | 2 Leven Grove Terrace, Dumbarton.                            |
| 1896 May 19.       | PRIEST, SAMUEL BENJAMIN ..                              | Hawnedale, Old Hill, Staffs.                                 |
| 1896 Nov. 16.      | PRIESTMAN, HAROLD .. ..                                 | Cawood, Apperley Bridge, Leeds.                              |
| 1891 Nov. 9.       | PULLEINE, JOHN JAMES .. ..                              | Loco. Dept., L. & S.W. Ry., Guildf'd.                        |
| 1898 Feb. 22.      | PYNE, ALBERT PERIAM .. ..                               | Electrical Copper Co., Widnes.                               |
| 1893 Nov. 28.      | RAE, WILLIAM ROSS .. ..                                 | Pearson & Son, Yate, Glos.                                   |
| 1893 Feb. 7.       | RAFAREL, CHARLES JOHN .. ..                             | Glencoe, Cwmbran, Mon.                                       |
| 1893 Nov. 21.      | RAIKES, HUGH PERCIVAL .. ..                             | 14 Francis Road, Edgbaston.                                  |
| 1895 Nov. 5.       | RAIN, WILLIAM ALEXANDER..                               | Learmouth, <i>via</i> Ballarat, Victoria.                    |
| 1894 Nov. 6.       | RAMSEY, ALBERT NORMAN .. ..                             | Essington, Elm Road, Beckenham.                              |
| 1896 Jan. 7.       | RAPHAEL, OSCAR CHARLES .. ..                            | { Victoria Foundry, Savile Town,<br>Dewsbury.                |
| 1896 Feb. 25.      | REDFORD, WILLIAM THOMAS                                 | { District Council, Patricroft, Man-<br>chester.             |
| 1897 Dec. 7.       | REDMAYNE, LEONARD .. ..                                 | 6 Portsea Place, Hyde Park, W.                               |
| 1895 Jan. 8.       | REEVES, RICHARD EAGLE .. ..                             | { Waterworks, Barrow Hill, Regent's<br>Park, N.W. [N.S.W.]   |
| 1897 Nov. 10.      | REID, NORMAN .. .. .                                    | Ben Boyd Rd., Neutral Bay, Sydney.                           |
| 1897 Mar. 2.       | RENNIE, JOHN ASSHETON .. ..                             | 20 Lowndes Street, S.W. [Mysore.                             |
| 1894 Nov. 6.       | RICE, HAROLD DOUGLAS..                                  | Marikanare, Heriyur Chibaldroog,                             |
| 1896 Jan. 14.      | RICH, THEODORE .. .. .                                  | 104 St. George's Square, S.W.                                |
| 1896 Jan. 7.       | RICHARDS, CHARLES HENRY ..                              | Nundydroog Mine, Corgaum, Mysore.                            |
| 1894 May 1.        | { RICHARDS, WALTER EDWIN<br>WINDSOR .. .. . }           | Low Moor Ironworks, Bradford.                                |
| 1897 Nov. 10.      | RICHARDSON, HERBERT LINDSLEY                            | { c.o. Richardson and Hewett, 101<br>Leadenhall Street, E.C. |
| 1897 Apr. 6.       | RICHMOND, JOHN WILLIAM .. ..                            | { Improvement Works, Kingston,<br>Jamaica.                   |
| 1898 Feb. 22.      | RISDON, PHILIP JAMES .. ..                              | { Livesey, Son & Henderson, Broad<br>Street Avenue, E.C.     |
| 1895 Nov. 5.       | RIVERS, CHARLES EDWIN .. ..                             | Boro' Engineer's Office, Torquay.                            |
| 1891 Nov. 3.       | ROBERTS, ALFRED HENRY .. ..                             | Pentyla, Aberavon, S. Wales.                                 |
| 1897 Nov. 10.      | ROBERTSON, FREDERICK STEELL                             | St. Anne's, Thurlow Park Rd., S.E.                           |
| 1895 Oct. 22.      | ROBINSON, HENRY .. .. .                                 | Marshgate House, Richmond, S.W.                              |
| 1897 Mar. 2.       | ROBINSON, HENRY OEHLERS ..                              | A. P. Williams, Singapore, S.S.                              |
| 1895 Nov. 5.       | ROBINSON, RALPH .. .. .                                 | W.H. Wheeler, Market Place, Boston.                          |
| 1897 Nov. 10.      | ROBINSON, WILLIAM HUBERT..                              | Thorncroft, Workington.                                      |
| 1894 Jan. 30.      | { ROE, RICHARD DARTNELL<br>TENNANT .. .. . }            | Alto Junin, Casilla 55, Pisagua,<br>Chili.                   |
| 1894 Oct. 16.      | { ROGER, JAMES PEAT FIRTH<br>LINDSAY .. .. . }          | E. I. Ry., Calcutta.   |
| 1898 Feb. 8.       | { ROLLS, Hon. CHARLES STUART,<br>B.A. (Cantab.) .. .. } | The Hendre, Monmouth.  |
| 1895 Nov. 5.       | RONALD, DAVID .. .. .                                   | Cauldhame, Falkirk, N.B.                                     |
| 1895 Jan. 8.       | ROOTS, NEVILLE .. .. .                                  | { L. & Y. Railway, With Grove,<br>Manchester.                |
| 1895 May 14.       | ROSEVEARE, LESLIE .. ..                                 | Municipal Offices, Plymouth.                                 |

| Date of Admission. | STUDENTS.   |   |
|--------------------|---|---|
| 1894 Apr. 10.      | ROSHIER, EDWARD MARSHALL  | { Bechuanaland Railway, Buluwayo, S. Africa.                            |
| 1898 Mar. 15       | { ROUILLARD, CHARLES LOUIS<br>AMÉDÉE .. .. . }                  | c.o. Hon. L. Rouillard, Mauritius.                                      |
| 1895 Nov. 5.       | RUGG, LEWIS HENRY .. ..   | 25 Rhodesia Road, Stockwell, S.W.                                       |
| 1896 May 5.        | RUTHERGLEN, CHARLES ROGERS                                      | Knightswood Cottage, Bothwell, N.B.                                     |
| 1898 Jan. 18.      | { RUTTY, GILBERT STEPHEN<br>FORDER, B.A. ( <i>Canab.</i> ) .. } | 45 Waterloo Street, Burton-on-Trent.                                    |
| 1895 Nov. 5.       | RYAN, JOHN ALOYSIUS .. ..                                       | 3 Hartstongue Street, Limerick.   |
| 1895 Nov. 19.      | RYVES, REGINALD ARTHUR ..                                       | 37 Sinclair Road, Kensington, W.  |
| 1898 Mar. 15.      | ST. DALMAS, ERIC EMERIC DE                                      | Royal Indian Eng. Coll., Staines.                                       |
| 1898 Mar. 15.      | ST. JOHN, EDWARD CHURCHILL                                      | 38 Gillott Road, Birmingham.  |
| 1898 Jan. 25.      | { ST. JOHN-KNELLER, OLIVER<br>ARTHUR GODFREY .. .. }            | 54 Gwyther Street, Pembroke Dock.                                       |
| 1896 Mar. 31.      | SALDANIA, ADRIANO .. ..   | { St. John del Rey Mining Co., Morro Velho, Villa Nova de Lima, Brazil. |
| 1895 Nov. 5.       | { SALMON, CHARLES EMILE<br>HERBERT .. .. . }                    | St. Peter's Lodge, Burrell Road, Ipswich.                               |
| 1895 Feb. 19.      | SANDBERG, CHRISTER PETER, JUN.                                  | 9 Bridge Street, Westminster, S.W.                                      |
| 1897 Nov. 10.      | { SANDBERG, OSCAR FRIDOLF<br>ALEXANDER .. .. . }                | 9 Bridge Street, Westminster, S.W.                                      |
| 1895 Oct. 22.      | SANDERS, CHARLES PHILLIPS ..                                    | Govt. Ry., Sierra Leone.  |
| 1893 Nov. 7.       | SANER, CHARLES BENJAMIN ..                                      | { Reitfontein A, Johannesburg, Transvaal.                               |
| 1896 Dec. 1.       | SANTA MARIA, HORACIO .. ..                                      | { 144 Bedford Street South, Liverpool.                                  |
| 1897 Nov. 10.      | SARGE, ROBERT ARTHUR .. ..                                      | Engineer's Office, N.E. Ry., York.                                      |
| 1892 Apr. 26.      | { SATTERTHWAITHE, CHARLES<br>GEOFFREY .. .. . }                 | { The Vicarage, Disley, Stockport.                                      |
| 1896 Nov. 16.      | SAUNDERS, HAROLD JACOB ..                                       | { 2 Waverley Villas, Bath Road, Wolverhampton.                          |
| 1895 Dec. 3.       | { SAVILE, WILLIAM HENRY<br>BOURCHIER .. .. . }                  | 3 Rodney Place, Clifton, Bristol.                                       |
| 1891 Nov. 9.       | SCARFE, GEORGE NORMAN ..  | Gawler Place, Adelaide, S. Australia.                                   |
| 1895 May 14.       | SCOTT, CHARLES WILLIAM ..                                       | { Eng.'s Office, G. W. Ry., Wootton Bassett.                            |
| m 1894 Feb. 27.    | SCOTT, JAMES .. .. .  | { Invergarry & Fort Augustus Ry. Spean Bridge, N.B.                     |
| 1897 Nov. 23.      | SEARLE, BASIL JAMES .. ..                                       | 49 Carleton Road, Tufnell Park, N.                                      |
| 1897 Nov. 10.      | SEWELL, LOUIS HILGROVE ..                                       | 56 Warrington Crescent, Maida Vale                                      |
| 1896 Feb. 25.      | SHACKLE, CHARLES EDWARD ..                                      | Harlington, Middlesex. [W.  |
| 1894 Jan. 23.      | SHACKLETON, WILLIAM .. ..                                       | 311 Queensgate, Burnley.  |
| 1896 Nov. 16.      | { SHADWELL, LANCELOT HORACE<br>AUGUSTUS .. .. . }               | 16 Perham Road, Kensington, W.  |
| 1898 Mar. 15.      | SHAKERLEY, HENRY EDMUND   | Royal Indian Eng. Coll., Staines.                                       |
| 1897 Nov. 10.      | SHARPLEY, REGINALD .. ..  | 55 Elgin Crescent, Notting Hill, W.                                     |
| 1893 Nov. 14.      | SHAW, JOHN .. .. .  | { Eng.'s Office, S. E. Ry., London Bridge, S.E.                         |
| 1898 Feb. 15.      | SHAW, JOHN BEAUMONT .. ..                                       | 31 Roseau Road, Battersea, S.W.   |
| 1894 Jan. 16.      | SHAW, WILFRED .. .. .   | 71 Temple Row, Birmingham.  |
| 1895 Jan. 8.       | SHAW, WILLIAM CAMPBELL ..                                       | 6 Ellerdale Road, Hampstead, N.W.                                       |
| 1897 Jan. 19.      | SHAWCROSS, GEORGE NUTTALL                                       | The Lakelands, Rivington, Bolton.                                       |
| 1894 Nov. 6.       | SHAWCROSS, ROBERT ELLIS ..                                      | { 157 Burton Road, West Didsbury, Manchester.                           |
| 1896 Mar. 3.       | SHEFFIELD, FREDERICK GERARD                                     | 69 Surrey Road, Norwich.  |
| 1892 Jan. 26.      | SHEFFIELD, JOHN NEWTON ..                                       | 14 Norland Square, Notting Hill, W.                                     |
| 1897 Feb. 2.       | SHEPHERD, JOSEPH .. .. .  | 23 Victoria Road, Darlington.   |
| 1897 Apr. 6.       | SHEPHERD, PERCY EDWARD ..                                       | { Silverstream House, Greenisland, Belfast.                             |

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| 1897 Feb. 16.      | { SHEPPEE, FRANCIS HENRY, B.A. }<br>( <i>Cantab.</i> ) | 70 Cambridge Street, Pimlico, S.W.                          |
| 1897 Nov. 10.      | SHERREN, ARTHUR OSWALD ..                              | 3 Beaumont Terrace, Dover.                                  |
| 1893 Nov. 14.      | SHETTLE, WILLIAM CROASDILL                             | { Burstall & Monkhouse, 14 Old Queen St., Westminster, S.W. |
| 1893 Apr. 18.      | SHIELD, JOHN THOMAS .. ..                              | Municipal Offices, Blackburn.                               |
| 1892 Nov. 22.      | SHORT, FREDERICK MARTIN ..                             | Balmer, Lawrie & Co., Calcutta.                             |
| 1893 Dec. 19.      | { SHOUBRIDGE, HARRY OLIVER }<br>BARON .. .. .          | { P.W.D., Begari Canals, Jacobabad, Sind.                   |
| 1897 Mar. 29.      | SHUTES, ARTHUR ROBINSON ..                             | { c.o. Mr. Scott, Willoughby Street, Thames, New Zealand.   |
| 1895 Nov. 5.       | SIKES, LOUIS, B.Sc. ( <i>Victoria</i> )                | { G. F. Deacon, 32 Victoria Street, S.W.                    |
| 1896 May 5.        | SIMMERS, ROBERT BEEVOR ..                              | Aberdeen House, Ramsgate.                                   |
| 1893 Dec. 19.      | SIMMS, JOHN CURLING .. ..                              | { G. W. Muggleston, Willowmore, Cape Colony.                |
| 1895 Mar. 5.       | SIMPSON, DONALD GRAFTON ..                             | Trafalgar Works, Barbados.                                  |
| 1892 Dec. 20.      | SIMPSON, HORACE FARR .. ..                             | Club Chambers, Wisbech.                                     |
| 1894 Oct. 16.      | SIMPSON, LIGHTLY STAPLETON                             | 47 Romford Road, Stratford, E.                              |
| 1893 Feb. 8.       | SIMPSON, RICHARD CHRISTOPHER                           | 15 Melville Terrace, Edinburgh.                             |
| 1897 Nov. 10.      | SIMPSON, ROBERT JOHN .. ..                             | 23 Talfourd Road, S.E.                                      |
| 1896 Nov. 17.      | SITWELL, RICHARD DEGGE ..                              | Leamington Hastings, Rugby.                                 |
| 1897 Mar. 29.      | SKINNER, CLIFTON MACLEAN ..                            | 35A Great George Street, S.W.                               |
| 1896 Mar. 3.       | SKIPWITH, FULWAR ESTOTEVILLE                           | { R. M. Ry., Abu Road, Rajputana, India.                    |
| 1896 Dec. 22.      | SLACK, DEANE HERVEY .. ..                              | 35 Charleville Road, Kensington, W.                         |
| 1894 May 1.        | SLADE, CHARLES FELIX .. ..                             | M. & G. N. Rys., Sutton Bridge.                             |
| 1896 Dec. 15.      | SLAUGHTER, FREDERICK .. ..                             | Jarvis Villa, Steyning, Sussex.                             |
| 1897 Nov. 10.      | SLOAN, ROBERT JOHN JOSEPH                              | Yorkshire College, Leeds.                                   |
| 1894 Dec. 4.       | SMITH, ARTHUR CHARLES IRVING                           | Kincraig, Invergordon, N.B.                                 |
| 1896 Feb. 25.      | SMITH, CHARLES EDMUND JOSEPH                           | { District Council, Urmston, Manchester.                    |
| 1897 Mar. 29.      | SMITH, CHARLES FREDERICK ..                            | 99 Maryon Road, Charlton, Kent.                             |
| 1896 Feb. 4.       | SMITH, EGBERT WYON .. ..                               | { London House, Wootton Bassett, Wilts.                     |
| 1896 Nov. 16.      | SMITH, GERALD ALFRED .. ..                             | 37 Dhurumtollah Street, Calcutta.                           |
| 1893 Jan. 31.      | SMITH, JONAH WALKER .. ..                              | Town Hall, Burton-on-Trent.                                 |
| 1897 Apr. 6.       | { SMITH, KENNETH BASIL }<br>WOODD .. .. .              | { 13 Queen's Road, Erith, Kent.                             |
| 1891 May 5.        | SMITH, VINCENT .. .. .                                 | Nesham Place, Houghton-le-Spring.                           |
| 1897 Jan. 12.      | SMITH, WILLIAM FREDERICK                               | { Swan Hotel, Sherburn-in-Elmet, Yorks.                     |
| 1896 Mar. 31.      | SMYTH, CHARLES MONTGOMERIE                             | { Electric Construction Co., Wolverhampton.                 |
| 1897 Mar. 29.      | SNELGROVE, CHARLES HERBERT                             | { Marine Palace and Pier Works, Brighton.                   |
| 1898 Mar. 1.       | SOLOMON, REGINALD SAUL ..                              | 79 Linden Gardens, Bayswater, W.                            |
| 1894 Dec. 4.       | SONNENSCHNEN, FREDERIC BOLTON                          | { 4 Gorst Road, Wandsworth Common, S.W.                     |
| 1894 Dec. 4.       | SOUTHEY, FREDERICK .. ..                               | Govt. Ry., Lagos, West Africa.                              |
| 1896 Feb. 11.      | SPIKING, CHARLES ERNEST ..                             | West Park Villa, Dewsbury.                                  |
| 1898 Mar. 22.      | SPRECKLEY, JOHN ALFRED ..                              | 1 Rosebery Villas, Hereford.                                |
| 1893 Jan. 31.      | SQUIRE, GEORGE FREDERICK ..                            | { Rev. C. Coldwell, Christchurch Vicarage, Isle of Dogs, E. |
| 1895 Dec. 3.       | STANDEN, HUGH WYATT .. ..                              | 40 Courtfield Gardens, S.W.                                 |
| 1894 Dec. 4.       | { STANFORD, WALTER HALSTEAD }<br>CORTIS .. .. .        | { Glenwood, Dalmeir, N.B.                                   |
| 1896 Nov. 16.      | STARKEY, FREDERICK ERNEST                              | Couil, Prov. de Cadiz, Spain.                               |
| 1896 Nov. 16.      | STARKEY, TREVOR WILLIAM ..                             |   |
| 1895 Jan. 22.      | STEVENS, BLAMEY, B.Sc. ( <i>Victoria</i> )             | { Bolton Lodge, Eccles New Road, Manchester.                |
| 1898 Mar. 29.      | STEVENSON, ERNEST PERCY ..                             | Ruiton House, Dudley.                                       |
| 1892 Dec. 6.       | STEVENSON, RONALD COCHRAN                              | Kenton Lodge, Newcastle-on-Tyne.                            |



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| m                  | 1894 Feb. 6.  | STEWART, ANGUS MATHESON ..                               | Atlantic Ry., Kentville, Nova Scotia.                      |
|                    | 1895 Nov. 19. | STIRLING, GROTE .. .. .                                  | M. & G. N. Rys., Melton Constable.                         |
|                    | 1891 Nov. 9.  | STOKES, FRANK TORRENS ..                                 | Box 1355, Johannesburg, Transvaal                          |
|                    | 1897 Feb. 23. | STONE, RICHARD FRANCIS ..                                | Cwm Elan, Rhayader, Rads.                                  |
|                    | 1895 Mar. 19. | {STORRS, HUBERT TOWNSEND,<br>B.Sc. (Victoria) .. .. .}   | Stothert & Pitt, Bath.                                     |
| m                  | 1892 Dec. 6.  | STORY, PHILIP FRANCIS .. ..                              | City Surveyor's Office, Manchester.                        |
|                    | 1895 Dec. 3.  | STREETEN, BASIL STIGAND ..                               | Scotow Vicarage, near Norwich.                             |
|                    | 1896 Nov. 16. | STRICKLAND, TOM PERCIVAL ..                              | McGill University, Montreal, Canada.                       |
|                    | 1895 Oct. 22. | STUART, FRANK DONALD ..                                  | 177 High Street, Lincoln.                                  |
|                    | 1896 Mar. 3.  | STUART, JAMES DOUGLAS ..                                 | Sirhind Canal, Ludhiana, Punjab.                           |
|                    | 1895 May 14.  | STUBBS, BENJAMIN THOMAS ..                               | Oakfield, Boreham Wood, Elstree.                           |
|                    | 1893 Feb. 21. | STURROCK, JOHN, Jun. .. ..                               | {Caledonian Ry., 3 Germiston Street,<br>Glasgow.           |
|                    | 1897 Nov. 10. | SWALES, JOHN KIRBY .. ..                                 | City Engineer's Office, Leeds.                             |
|                    | 1897 Mar. 2.  | SWAYNE, GERALD .. .. .                                   | Lanesboro', Clandon Rd., Guildford.                        |
|                    | 1893 Nov. 14. | SWINSTEAD, EDWARD WILLIAM                                | Vestry Hall, St. Pancras, N.W.                             |
|                    |               |  |  |
|                    | 1896 Nov. 16. | TANSLEY, GEORGE EDWARD ..                                | 80 Westgate, Wakefield.                                    |
|                    | 1897 Nov. 10. | TAPLIN, EDWARD WALTER ..                                 | 8 Blomfield Road, Maida Hill, W.                           |
|                    | 1895 Oct. 22. | TARRANT, ERNEST ARTHUR ..                                | 6 Meadow Rd., South Lambeth, S.W.                          |
|                    | 1892 May 24.  | {TAYLOR, JOHN CHARLES, Royal<br>Naval Reserve .. .. .}   | Kingswear, Streathbourne Road,<br>Tooting Common, S.W.     |
|                    | 1896 Dec. 22. | TAYLOR, JOHN REGINALD ..                                 | Haygarth House, Chester.                                   |
|                    | 1897 Nov. 23. | TAYLOR, PERCY .. .. .                                    | Council Offices, Ilford, E.                                |
|                    | 1894 Jan. 23. | {TAYLOR, THOMAS HERBERT<br>THORNELY .. .. .}             | 94 Baron's Court Road, West Ken-<br>sington, W.            |
|                    | 1897 Mar. 2.  | TEDMAN, CYRIL .. .. .                                    | G. W. Ry., West Lavington, Devizes.                        |
|                    | 1897 Nov. 23. | TEMPLE, LEONARD .. .. .                                  | Fraser House, Forest Gate, E.                              |
|                    | 1895 Feb. 26. | {THOMAS, HUBERT ROBERT,<br>B.Sc. (Victoria) .. .. .}     | The Cleveland, Wolverhampton.                              |
|                    | 1897 Dec. 7.  | THOMAS, PERCY, B.Sc. (Victoria)                          | Birkthwaite, Ealing Rd., Wembley.                          |
|                    | 1897 Nov. 10. | {THOMPSON, NORMAN ARTHUR,<br>B.A. (Cantab.) .. .. .}     | Garlands, Redhill, Surrey.                                 |
|                    | 1897 Dec. 7.  | {THOMSON, REGINALD ARTHUR<br>WALCOT .. .. .}             | 77 Victoria Road, Horwich, Lanes.                          |
|                    | 1897 Jan. 12. | THORNE, ALFRED JOHN PARKER                               | Tenby Pier, Pembrokeshire.                                 |
|                    | 1897 Nov. 10. | THORNTON, ERNEST .. .. .                                 | Croft House, Earlsheaton, Dewsbury.                        |
| m                  | 1894 Oct. 30. | THOW, SYDNEY .. .. .                                     | {Mount Lyell Mining & Ry. Co.,<br>Queenstown, Tasmania.    |
|                    | 1897 Feb. 16. | {THRELFALL, HAROLD SPENCER,<br>B.Sc. (Victoria) .. .. .} | Holme & King, Lostock Junction,<br>Bolton.                 |
|                    | 1895 Mar. 26. | {THRING, LEONARD GODFREY<br>PINNEY, B.A. (Cantab.) ..    | Shamley Green, Guildford.                                  |
|                    | 1896 Nov. 24. | TIPPETTS, RUSSELL .. .. .                                | {49 Aldebert Terrace, South Lambeth<br>Road, S.W.          |
|                    | 1896 Nov. 16. | TITLEY, WALTER .. .. .                                   | Gilecroft, Mansfield. [S.S.]                               |
|                    | 1893 Nov. 14. | TOD, LOGAN MILLAR .. ..                                  | Wardieburn Estate, Kwala Lumpur.                           |
|                    | 1897 Jan. 19. | {TOIT, ALEXANDER LOGIE DU,<br>B.A. (Cape) .. .. .}       | J. Stenhouse, 26 Newton Street.<br>Charing Cross, Glasgow. |
|                    | 1896 Mar. 3.  | TOLMÉ, THOMAS JULIAN .. ..                               | 12 Kensington Court Place, W.                              |
|                    | 1897 Dec. 7.  | TOMLINSON, EDWARD THEODORE                               | 3 Richmond Terrace, Whitehall, S.W.                        |
|                    | 1897 Mar. 2.  | {TOMLINSON, GEORGE JOHN<br>FREDERICK .. .. .}            | Wood Field, Huddersfield.                                  |
|                    | 1893 Mar. 7.  | TOPHAM, JOHN WILLIAM ..                                  | 2 Great George Street, S.W.                                |
|                    | 1894 Nov. 20. | TOTTENHAM, PERCY MARMADUKE                               | P.W.D., Cairo, Egypt.                                      |
|                    | 1894 Feb. 27. | TRAVERS, HENRY CECIL .. ..                               | 2 Phillimore Gardens, W.                                   |
|                    | 1897 Mar. 29. | {TREE, PHILIP BEAGLEY LE<br>DESPENCER .. .. .}           | Leckhampton, Hollington Park, St.<br>Leonards.             |
|                    | 1894 May 22.  | {TRELAWNY, JAMES EDWARD<br>SALUSBURY .. .. .}            | 13 Lancaster Gate, W.                                      |

| Date of Admission. | STUDENTS.  |  |
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| 1897 Nov. 10.      | {TRELAWNY, WARRENNE BEAUMONT .. .. .}                          | 18 Portsea Place, Connaught Square, W.                   |
| 1896 Apr. 14.      | TRENERRY, JOHN HORATIO ..                                      | Cannon Lane, Gibraltar.                                  |
| 1896 Mar. 3.       | {TRIMMINGHAM, NORMAN STEWART PAGET .. .. .}                    | 74 Rye Hill, Newcastle-on-Tyne.                          |
| 1895 Nov. 26.      | TRUBSHAW, CHARLES KENNETH                                      | 123 Osmaston Road, Derby.                                |
| 1896 Nov. 16.      | TURNER, VINCENT .. .. .  | {Waterworks Engineer's Office, Town Hall, Wakefield.     |
| 1896 Mar. 31.      | TUZO, JOHN ATKINSON .. ..                                      | Warlingham, Surrey.                                      |
| 1896 Dec. 1.       | TYACK, ARTHUR HENRY .. ..                                      | 88 Mesley Street, Manchester.                            |
| 1894 Dec. 4.       | UDAL, JOHN POUNTNEY .. ..                                      | 21 Speedwell Road, Birmingham.                           |
| 1898 Mar. 15.      | ULLAH, MUHAMMAD KARAMAT  | Royal Indian Eng. Coll., Staines.                        |
| 1898 Jan. 25.      | UNWIN, HOWARD BUCKLEY ..                                       | 1 Newton Grove, Bedford Park, W.                         |
| 1896 Nov. 16.      | UNWIN, WILFRID PEYTO .. ..                                     | Heathlands, Maybury, Woking.                             |
| 1894 Nov. 27.      | {URTUBEY, ALBERTO LUIS GOWLAND, M.A. ( <i>Cantab.</i> ) .. ..} | Estancia Santa Elena Perdida, via San José, Monte Video. |
| 1894 Mar. 6.       | VALINTINE, AMBROSE .. ..                                       | Croxton House, Leamington.                               |
| 1894 Dec. 4.       | {VAUGHAN, CEDRIC GEORGE, M.A. ( <i>Cantab.</i> ) .. .. .}      | Hodbarrow Mines, Millom, Cumberland.                     |
| 1896 Mar. 10.      | VEASEY, JOHN HERBERT .. ..                                     | Town Hall, Port Elizabeth, C.C.                          |
| 1894 Dec. 4.       | VIGNOLES, WALTER ADOLPH ..                                     | 29 Western Terrace, Chelmsford.                          |
| 1892 Nov. 22.      | VOLCKMAN, GEORGE WILLIAM                                       | Ry., Sidley Green, Bexhill.                              |
| 1896 Nov. 16.      | WADSWORTH, MILFORD AYTON                                       | 41 Church Road, Richmond, S.W.                           |
| 1896 May 5.        | WALES, CHARLES WALTER ..                                       | 21 Delahay Street, Westminster, S.W.                     |
| 1894 Oct. 16.      | WALKER, JOAH HAIGH .. ..                                       | High Street, Northallerton.                              |
| 1898 Mar. 29.      | {WALKER, OSBORNE FREDERICK MACDONALD .. .. .}                  | Heidelberg, Auckland Road, Upper Norwood, S.E.           |
| 1897 Nov. 23.      | WALKEY, OLIVER ROWLAND   | 74 Gordon Road, Ealing, W.                               |
| 1896 Nov. 16.      | WALSH, ARTHUR CLIFFE .. ..                                     | Pearson & Son, Docks, Port Talbot.                       |
| 1894 Jan. 23.      | WARHURST, LEONARD VINCENT                                      | Gt. Central Ry., Grimsby Docks.                          |
| 1893 Nov. 21.      | WARREN, PHILIP RIDSDALE ..                                     | Barry Ry., Dock No. 2, Barry, Cardiff.                   |
| 1897 Jan. 12.      | WATERHOUSE, GILBERT .. ..                                      | Warwick House, Rhayader, Rada.                           |
| 1897 Dec. 7.       | WATERS, WILLIAM .. .. .  | {18 Acomb Street, Greenheys, Manchester.                 |
| m 1891 Dec. 8.     | WATSON, ARTHUR .. .. .   | {L. & Y. Ry., Eng.'s Office, Manchester.                 |
| 1896 Dec. 1.       | WATSON, HAROLD GEORGE ..                                       | 44 Broad Street, Birmingham.                             |
| 1891 Nov. 9.       | WATSON, JOHN WILLIAM .. ..                                     | F.C. Gran Oeste, Mendoza, Argentina.                     |
| 1891 Nov. 9.       | WATSON, LEONARD KINGSLEY                                       | {Granville House, Bedford Park, Croydon.                 |
| 1892 Dec. 6.       | WATSON, THOMAS AUBREY ..                                       |  |
| 1896 Nov. 16.      | {WAUGH, ANDREAS CLIVE TELFORD FIETH .. .. .}                   | 42 Manville Terrace, Bradford.                           |
| 1896 Nov. 16.      | WAYNE, PHILIP GRANT .. ..                                      | Bryn-Llwyn, Corwen, Merioneth.                           |
| 1893 Nov. 14.      | WEARING, CHARLES ELTON ..                                      | {Mysore Gold Mining Co., Marikupam, Mysore, India.       |
| 1898 Mar. 29.      | WEBBER, JOHN FREDERICK ..                                      | Ry. & Docks, Port Talbot.                                |
| 1896 Nov. 16.      | WEEKES, MICHAEL GEORGE ..                                      | 100 Beaufort Street, Chelsea, S.W.                       |
| 1896 Nov. 16.      | {WEIGALL, ARTHUR RAYMOND, B.E. ( <i>Sydney</i> ) .. .. .}      | Totok, Menado, Celebes, East Indies.                     |
| 1896 May 5.        | WEIR, ALEXANDER MURDOCH  | 160 Hope Street, Glasgow.                                |
| 1894 Nov. 6.       | WELBOURN, BURKEWOOD ..   | {British Insulated Wire Company, Prescott, Lancashire.   |
| 1894 Mar. 6.       | WELLS, PERCY MONTAGU ..  |  |
| 1896 Dec. 1.       | WEST, ARTHUR JOHN .. ..  | 102 Strathbourne Road, Balham, S.W.                      |
| 1896 Dec. 1.       | WESTERN, HUGH .. .. .  | G. W. Ry. Loco. Works, Swindon.                          |
| 1896 Nov. 16.      | WESTLAKE, CHARLES WILLIAM                                      | 34 Stockwell Road, S.W.                                  |
| 1897 Nov. 23.      | WHIGHAM, GEORGE .. ..  | Dunearn, Prestwick, Ayr, N.B.                            |

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| 1897 Nov. 10.         | { WHITE, ERNEST CLARK, B.Sc.<br>(Victoria) .. .. . }     | 63 Daisy Hill, Dewsbury.   |
| 1896 Nov. 24.         | WHITTON, PETER ISLES .. ..                               | Bellahouston House, Glasgow. [lia.                                   |
| 1892 Apr. 26.         | WHITWORTH, SAMUEL .. ..                                  | Box 98, Kalgoorlie, Western Australia.                               |
| 1896 Jan. 7.          | WIDNALL, GEORGE WILLIAM ..                               | Bull's Head Hotel, Loughborough.                                     |
| 1897 Nov. 23.         | { WILBRAHAM, CHARLES<br>THACKERAY .. .. . }              | Eastham, Cheshire.   |
| 1897 Nov. 10.         | WILKES, JOSEPH ERNEST .. ..                              | The Sycamores, Pelsall, Walsall.                                     |
| 1898 Mar. 15.         | WILKINS, CHARLES FREDERICK ..                            | Royal Indian Eng. Coll., Staines.                                    |
| 1895 May 14.          | WILLIAMS, EDWARD LLOYD .. ..                             | Gwerclas, Corwen, North Wales.                                       |
| 1896 Nov. 16.         | WILLIAMS, GEORGE BRIGARS ..                              | { F. & A. Swanzy, Cape Coast, West<br>Africa.                        |
| m 1897 Mar. 15.       | WILLIAMS, HAROLD .. ..                                   | 23 King's Road, Kingston, Surrey.                                    |
| 1898 Jan. 18.         | WILLIAMS, JOHN HUW .. ..                                 | L. & N. W. Ry., Abergavenny.   |
| 1893 Nov. 21.         | WILLIAMS, LLEWELLYN .. ..                                | { Linde British Refrigeration Co., 35<br>Queen Victoria Street, E.C. |
| 1896 Feb. 25.         | WILLIS, JOHN BURDETT .. ..                               | 10 Churchfield Road, Ealing, W.                                      |
| 1896 Dec. 1.          | WILSON, ALBERT .. ..                                     | Huddersfield Road, Birstall.   |
| 1896 Nov. 16.         | WILSON, HARRY BERTRAM .. ..                              | Fair View, St. Margarets, Twickenham.                                |
| 1895 Nov. 5.          | WILSON, JOHN SIGMUND .. ..                               | { 32 Grauville Street, Charing Cross,<br>Glasgow.                    |
| 1897 Feb. 2.          | WILSON, REGINALD WELLESLEY ..                            | { Armstrong, Whitworth & Co., New-<br>castle-on-Tyne.                |
| 1897 Nov. 10.         | WILSON, WALTER GORDON .. ..                              | Dunardagh, Blackrock, Dublin.  |
| 1898 Feb. 15.         | WIMPERIS, HARRY EGERTON ..                               | { Waverley, Broomhouse Road,<br>Hurlingham, S.W.                     |
| 1896 Mar. 10.         | { WINBY, LEWIS PHILLIPS, B.A.<br>(Cantab.) .. .. . }     | { St. Heliers, Lower Teddington Road,<br>Hampton Wick.               |
| 1892 Nov. 22.         | WINDER, OLIVER .. ..                                     | { 141 Lightbourne Road, Moston,<br>Manchester.                       |
| 1894 Dec. 4.          | WINDHAM, ARTHUR RUSSELL ..                               | { Great Central Ry., 12 Talbot Lane,<br>Leicester.                   |
| 1894 Dec. 4.          | WISE, JULIAN STANTON .. ..                               | { 84 Overstrand Mansions, Battersea<br>Park, S.W.                    |
| 1894 Feb. 20.         | WOLSELEY-LEWIS, FRANK THOMAS ..                          | Eirianoa, North Malvern.   |
| 1896 Nov. 16.         | { WOOD, JAMES PATRICK .. ..<br>B.E. (Sydney) .. .. . }   | { 55 Francis Road, Edgbaston, Bir-<br>mingham.                       |
| 1895 Nov. 19.         | WOODGER, PETER BISSET .. ..                              | { 190 Westgate Road, Newcastle-on-<br>Tyne.                          |
| 1895 May 14.          | WOODS, HAMILTON ARNISON ..                               | { Liver Foundry, Ordsall Lane,<br>Salford.                           |
| 1896 Nov. 16.         | { WOORE, JOHN MAURICE SIMEON,<br>B.E. (Sydney) .. .. . } | { Tallandra, Walker Street, North<br>Sydney, N.S.W.                  |
| 1892 Jan. 26.         | WORKMAN, FREDERIC DICKINSON ..                           | { L. & N.W. Ry., Eng.'s Office, Euston,<br>N.W.                      |
| 1898 Feb. 1.          | WRIGHT, CHRISTOPHER GORDON ..                            | 3 Olympia Mansions, Kensington, W.                                   |
| 1898 Mar. 15.         | WYATT, ARCHIBALD FREDERICK ..                            | Royal Indian Eng. Coll., Staines.                                    |
| 1894 May 22.          | { WYNNE, ARTHUR ALGERNON<br>WARREN .. .. . }             | { 45 Regent Street, Greenock, N.B.                                   |
| 1897 Nov. 10.         | YOUNG, HARBEN ROBERT .. ..                               | { General Exploration Co., Westport,<br>New Zealand.                 |
| 1894 Dec. 4.          | YOUNG, JAMES ALAN FERGUSON ..                            | { Mandalay-Kunlon Ry., Mandalay,<br>Burma.                           |
| 1894 Dec. 4.          | { YOUNG, MANSEL CHARLES<br>GAMBIER .. .. . }             | { W. Watson & Co., Karachi, India.                                   |
| 1895 Mar. 5.          | ZELLER, CARLOS VAN .. ..                                 | Villar, Oporto, Portugal.  |

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